TA-FA5ES/FA7ES

SERVICE MANUAL

AFP Model



Photo: TA-FA7ES (Black)

SPECIFICATIONS

System

Power Amplifier: Pure-complementary SEPP MOS FET power amplifier with all stages directly coupled Preamplifier: Low-noise, high-gain equalizer amplifier Power section: Large-capacity power supply advanced

Rated output

4 ohms, 150 W + 150 W (DIN 0.7%) 8 ohms, 100 W + 100 W (DIN 0.7%)

TA-FA5ES

4 ohms, 135 W + 135 W (DIN 0.7%) 8 ohms, 90 W + 90 W (DIN 0.7%)

Speakers impedance

4 to 16 ohms

Output bandwidth (8 ohms)

10 Hz to 100 kHz (at 40 W output, and

high-frequency distortion rate of

Dynamic headroom

at 4 ohms: TA-FA7ES 2 dB TA-FA5ES 3 dB

at 8 ohms: TA-FA7ES 1.2 dB TA-FA5ES 2 dB

Total harmonic distortion

0.005% (at 8 ohms, 10 W output)

Damping factor Intermodulation (IM) 100 (8 ohms, 1 kHz) 0.005% (8 ohms)

distortion (60 Hz:7 kHz=4:1) Throughrate Residual noise

125 V/μ sec, 250 V/μ sec (Inside) Less than 115 µV (network A) PHONO MM: 20 Hz to 20 kHz,

Equalizer deviation Frequency response

±0.2 dB

TUNER, CD, AUX, TAPE 1, 2, 3: 2 Hz

to 100 kHz *dB

PHONO MC: TA-FA7ES 78dB

(A Fil. 0.5 mV) TA-FA5ES 76 dB (A Fil, 0.5 mV) MM: 87 dB (A Fil, 5 mV)

TUNER, CD, AUX, TAPE1, 2, 3:

105 dB

Inputs

Input sensitivity and impedance

PHONO MC: 0.25 mV, 100 ohms MM: 2.5 mV, 50 kilohms

TUNER, CD, AUX, TAPE 1, 2, 3; 150 mV, 30 kilohms

Maximum input capability

PHONO MC: 9 mV MM: 150 mV

(1 kHz) Outputs

Output level / impedance

REC OUT 1, 2, 3: 150 mV.1 kilohms

PHONES: 10 mW (at 8 ohms)

Tone controls

BASS (100 Hz): ±7 dB TREBLE (10 kHz): ±6 dB

General

Power requirements

Mass (approx.)

220 - 230 V AC, 50/60 Hz

Power consumption

TA-FA7ES: 330 W

Dimensions (approx.) (w/h/d) $430 \times 175 \times 450 \text{ mm}$

TA-FA5ES: 300 W

 $(17 \times 7 \times 17^3)$, inches)

incl. projecting parts and controls TA-FA7ES: 19.8 kg (43 lb 6 oz)

TA-FA5ES: 17.5 kg (38 lb 10 oz)

Supplied accessories

Remote commander (remote)

RM-S703 (1)

Sony batteries SUM-3(NS) (2)

Design and specifications are subject to change without



INTEGRATED STEREO AMPLIFIER SONY

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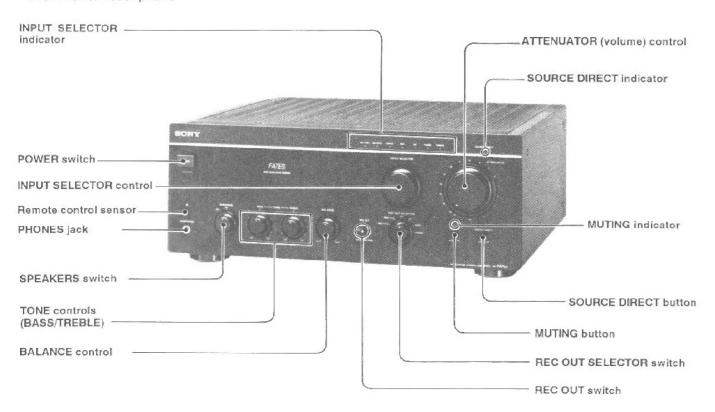
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK A OR DOTTED LINE WITH MARK ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

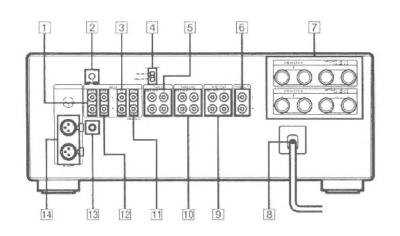
SECTION 1 GENERAL

This section is extracted from instruction manual.

Location of Controls
 Front Panel Descriptions



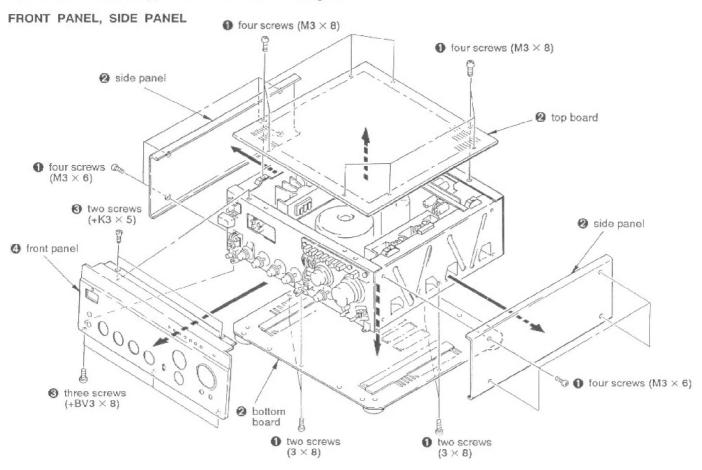
Rear Panel Descriptions



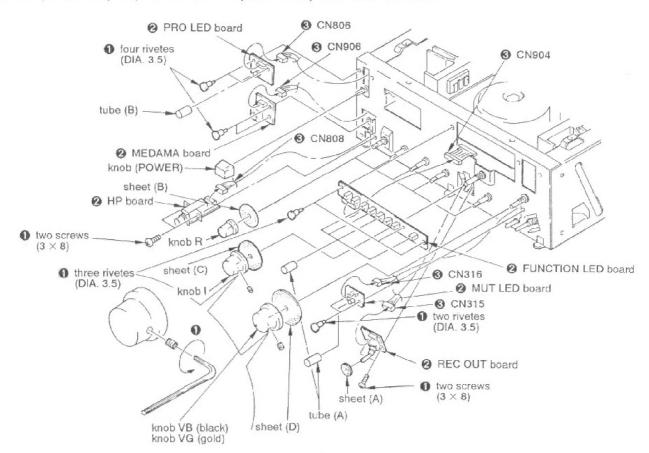
- 1 PHONO
- 2 CARTRIDGE MC/MM
- [3] CI
- 4 AUX INPUT (TA-FA7ES only)
- 5 TAPE3
- 6 PRE OUT
- 7 SPEAKERS A/B
- 8 Mains lead
- 9 TAPE1/DAT
- 10 TAPE2/MD
- 11 AUX(UNBALANCED)
- 12 TUNER
- 13 ሐ (earth)
- 14 AUX(BALANCED) (TA-FA7ES only)

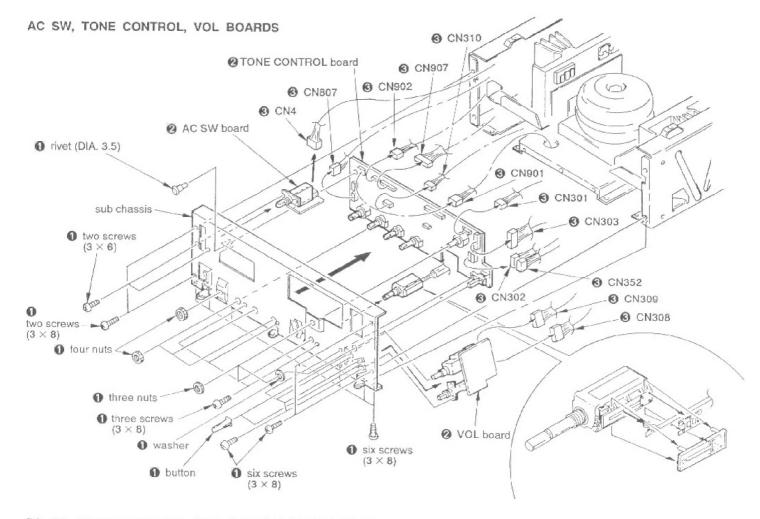
SECTION 2 DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

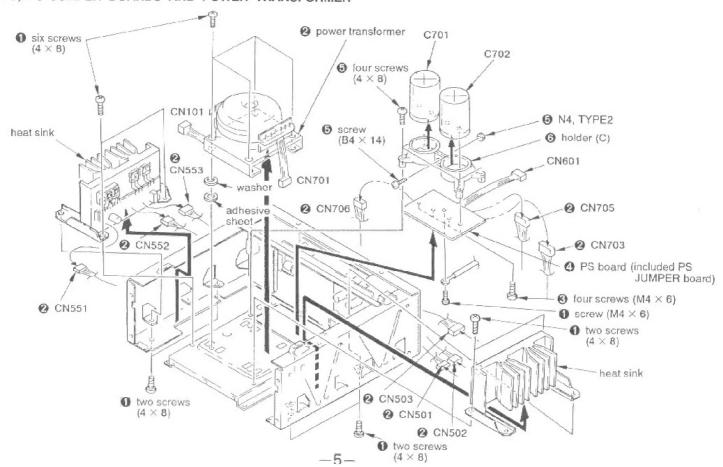


PRO LED, MEDAMA, HP, FUNCTION LED, MUT LED, REC OUT BOARDS

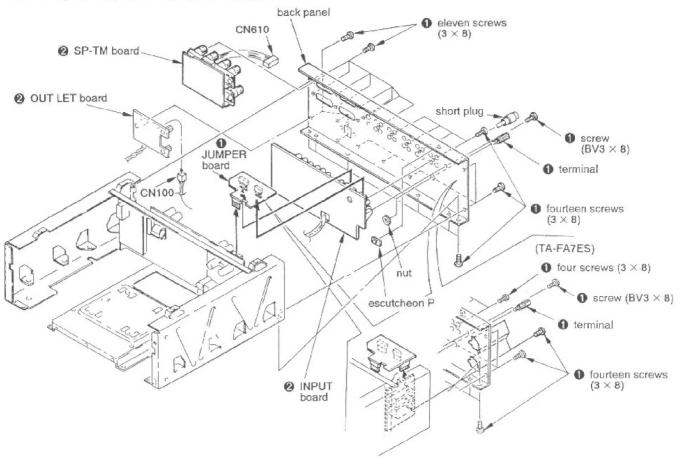




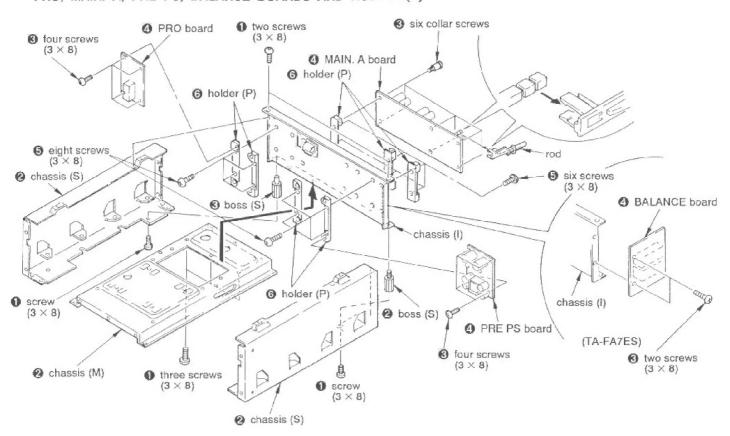
PS, PS JUMPER BOARDS AND POWER TRANSFORMER



OUT LET, SP-TM, JUMPER, INPUT BOARDS



PRO, MAIN. A, PRE PS, BALANCE BOARDS AND HOLDER (P)



ELECTRICAL ADJUSTMENT

Note: Adjustment should be performed 5 minutes later, after the power switch is on.

Bias Adjustment

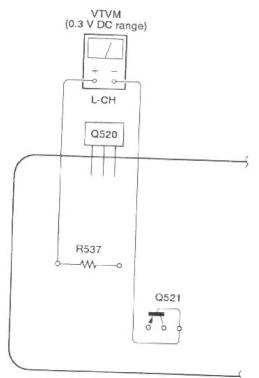
Setting:

ATTENUATOR (Volume) control: minimum Input signal: No signal input

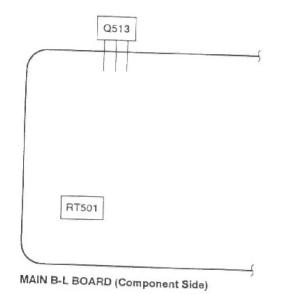
Procedure:

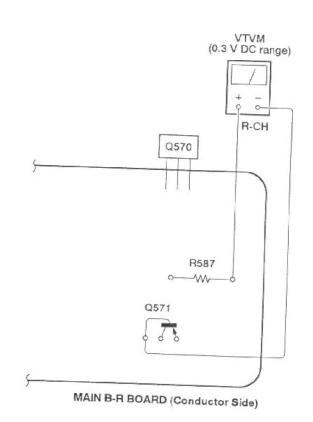
Adjust RT501 (L-CH) and RT551 (R-CH) for 45 mV reading on the VTVM.

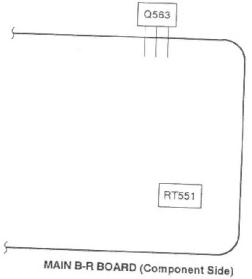
Adjustment Location: MAIN B-L, B-R BOARD



MAIN B-L BOARD (Conductor Side)





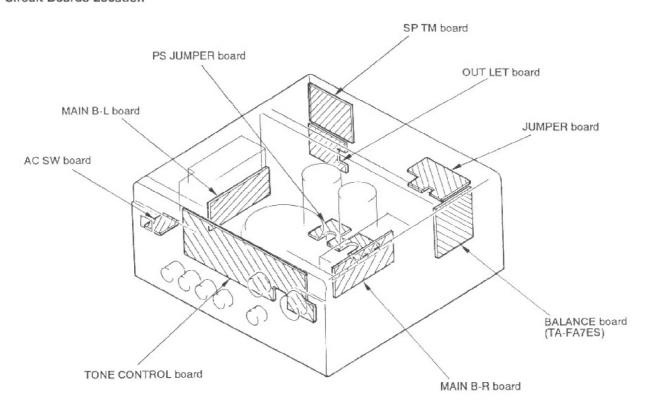


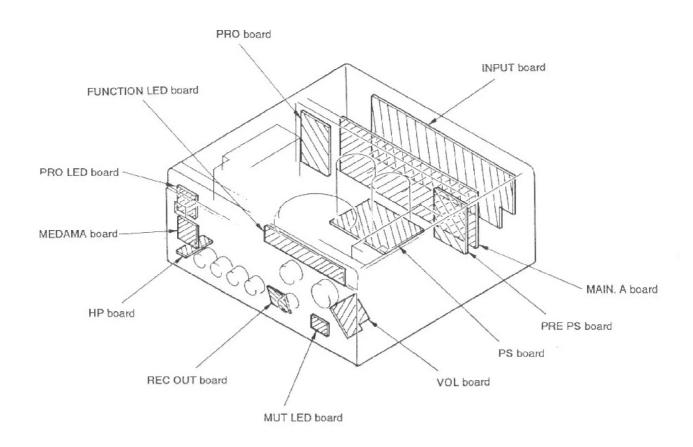
SECTION 4 DIAGRAMS

4-1. IC PIN FUNCTION DESCRIPTION IC901 TMP47C200BN-H327 (SYSTEM CONTROL)

Pin No.	Pin Name	I/O	Function
1	RCL	0	Clock Serial data of EEPROM (X24C01P)
2	RDT	I/O	Data Serial data of EEPROW (A24COTF)
3	VDW	0	Down VR motor control signal (Active: H, Stop: L-L, Brake: H-H)
4	VUP	0	Up VR motor control signal (Active: H, Stop: L-L, Brake: H-H)
5	CD	0	Function relay select signal output (ON: L)
6	MUT	0	Mute control signal output when switching (Mute: H)
7	AUX	0	Function relay select signal output (ON: L)
8	Т3	0	Function relay select signal output (ON: L)
9	Т2	0	Function relay select signal output (ON: L)
10	Т1	0	Function relay select signal output (ON: L)
11	SW0	1	
12	SW1	I	Relativity position detection signal of rotary switch
13	SW2	1	(One of them terminal: H, the other terminal: L)
14	SW3	1	Direction from SW5 to SW0, TUNER → CD → AUX →
15	SW4	I	TAPE2 → TAPE1 → PHONO → TUNER → ······
16	SW5	I	
17	PHONO	0	
18	TUNER	0	
19	CD	0	Function LED drive signal (ON: L)
20	AUX	0	
21	GND	_	GND terminal
22	TAPEI	0	
23	TAPE2	0	Punction LED drive signal (ON: L)
24	TAPE3	0	
25	500,00	0	Not used (Connected to GND)
26	_	I	Not used (Connected to GND)
27	-	I	Not used (Connected to GND)
28	-	I	Not used (Connected to GND)
29	_	1	Not used (Connected to GND)
30	TEST	_	Test terminal (Open)
31	XIN	_	0.78.6
32	XOUT	_	Oscillation signal 8.19 MHz
33	RESET	1	Reset signal (Reset: L)
34	HOLD	I	Cancellation of hold mode signal (Start: H)
35	TUNER	0	Function relay select signal output (ON: L)
36	PHONO	0	Function relay select signal output (ON: L)
37	SIRCS	I	SIRCS signal (Active: L)
38		0	Not used (Connected to GND)
39		0	Not used (Connected to GND)
40	_	0	Not used (Connected to GND)
41	ductions	0	Model mode switch signal (Connected to GND)
42	VDD	_	POWER supply (+5 V) terminal

. Circuit Boards Location

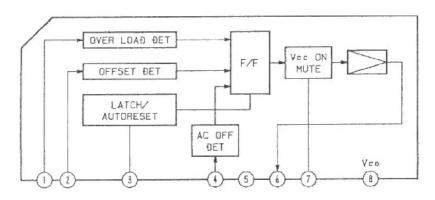




IC Block Diagrams

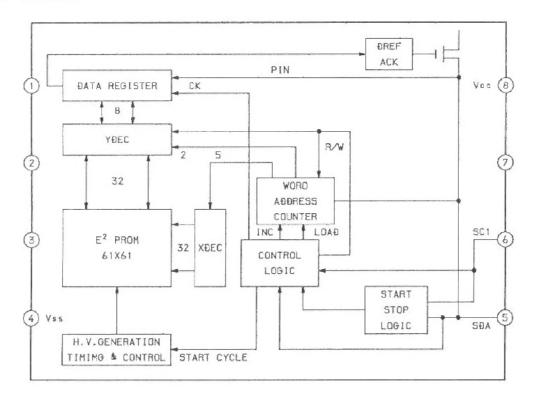
PRO board

IC601 μ PC1237HA

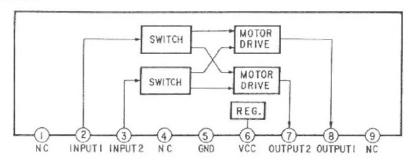


TONE. CONTROL board

IC903 X24C01P-S

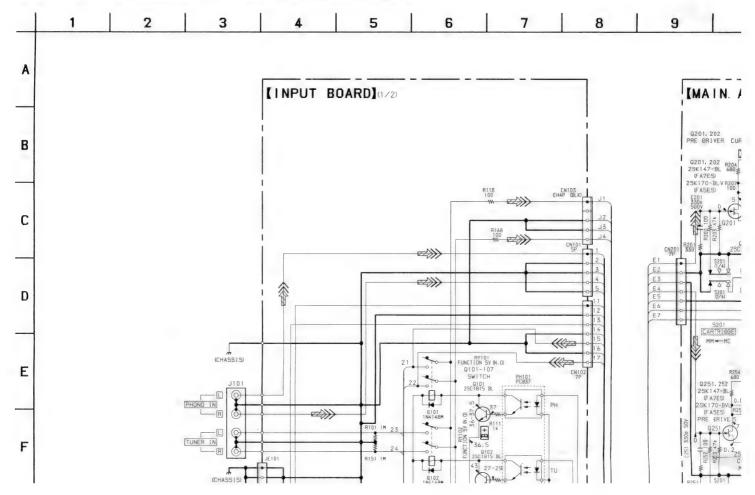


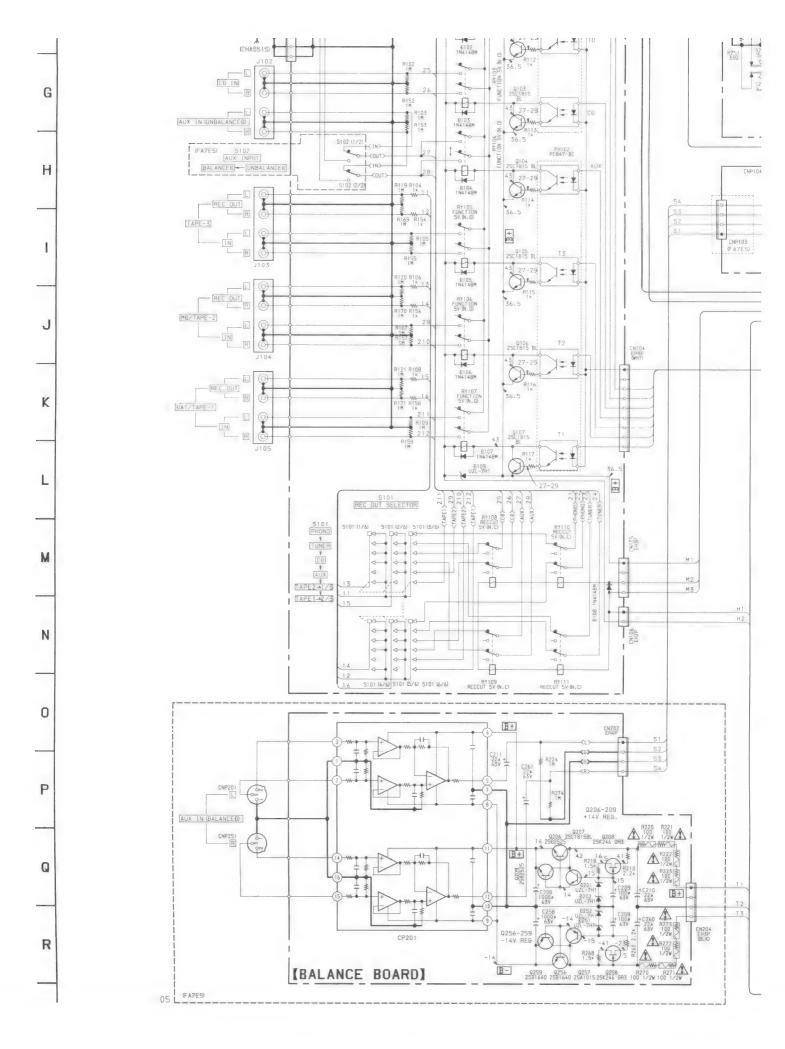
IC904 BA6208



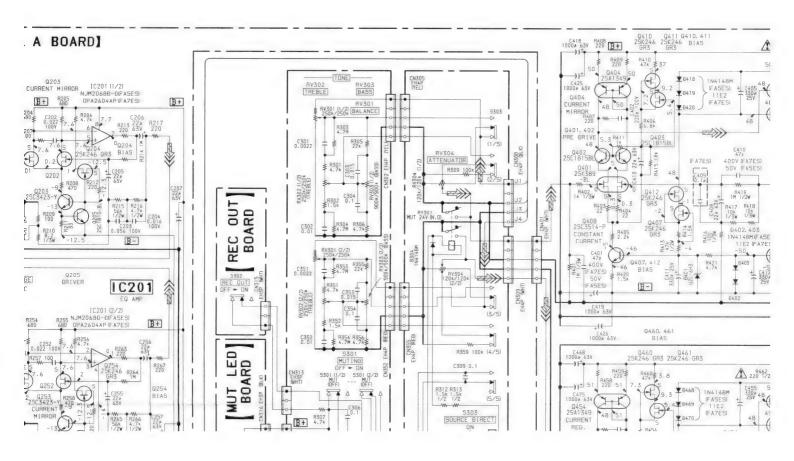
IA-FAJEJ/FA/EJ

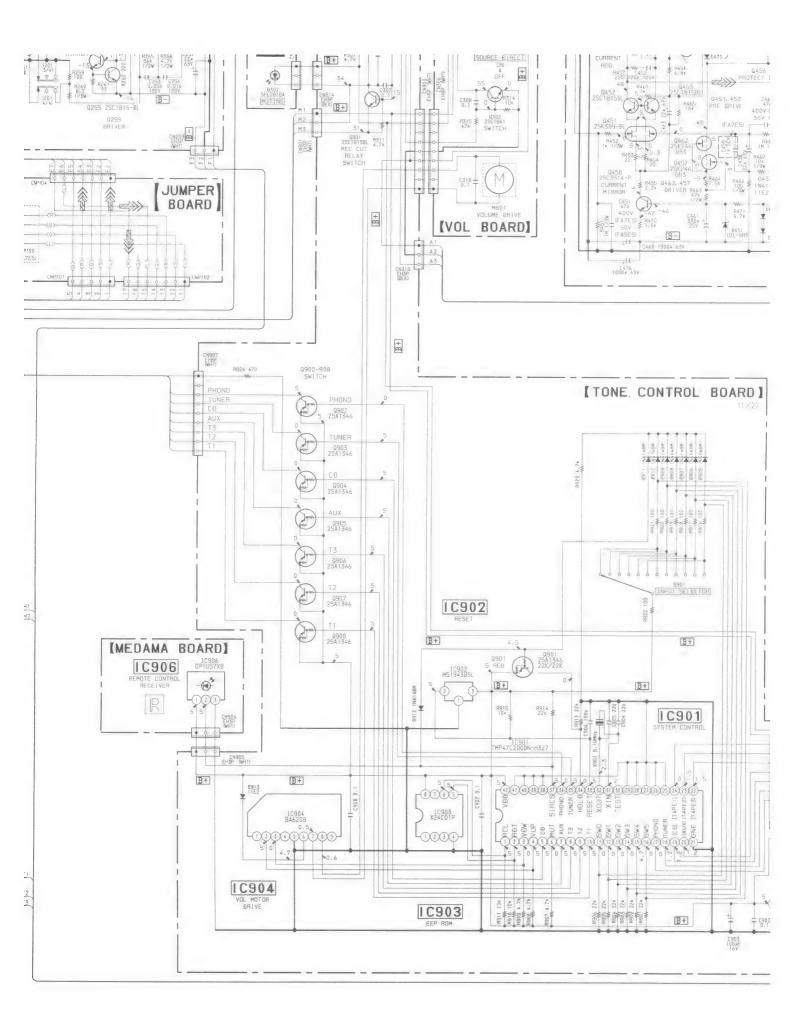
4-2. SCHEMATIC DIAGRAM • See page 10 for IC Block Diagrams.



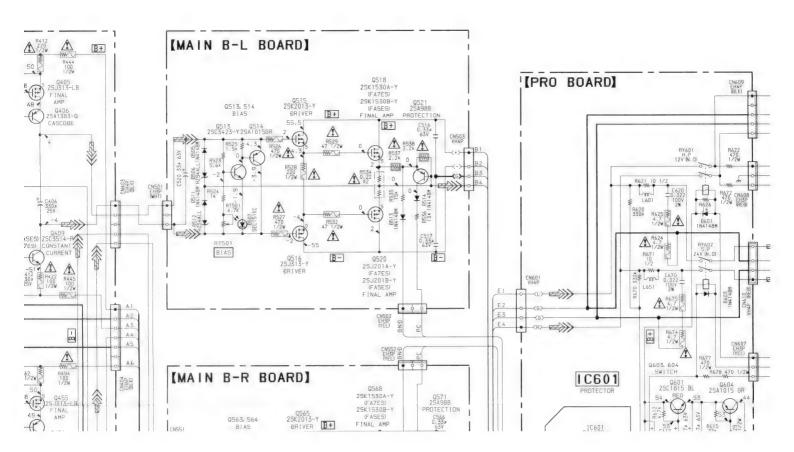


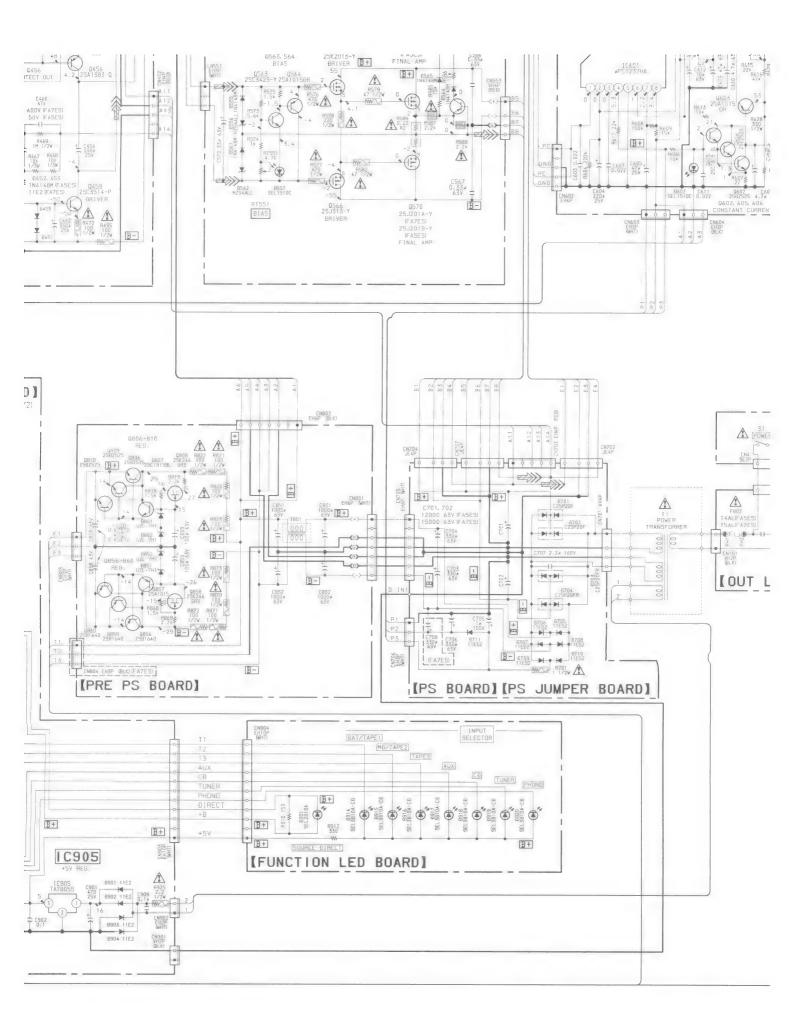
10 11 12 13 14 15 16 17 18 19

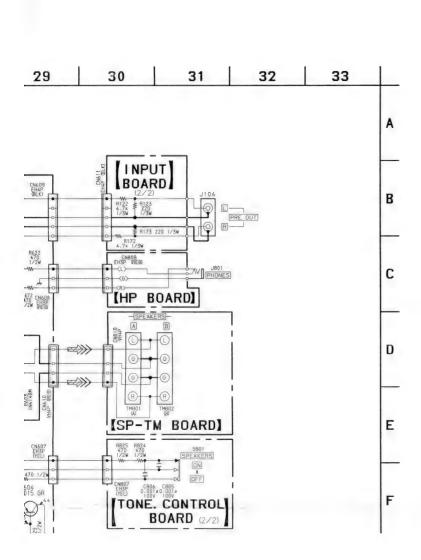




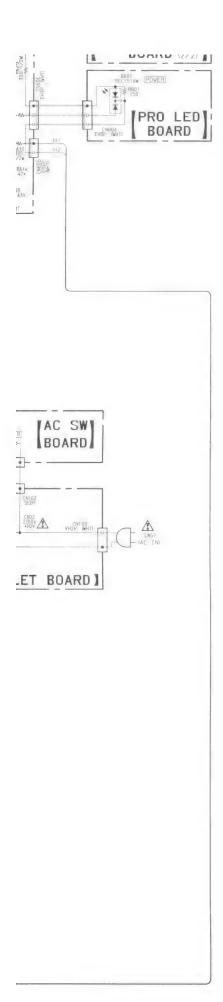
20 21 22 23 24 25 26 27 28 29









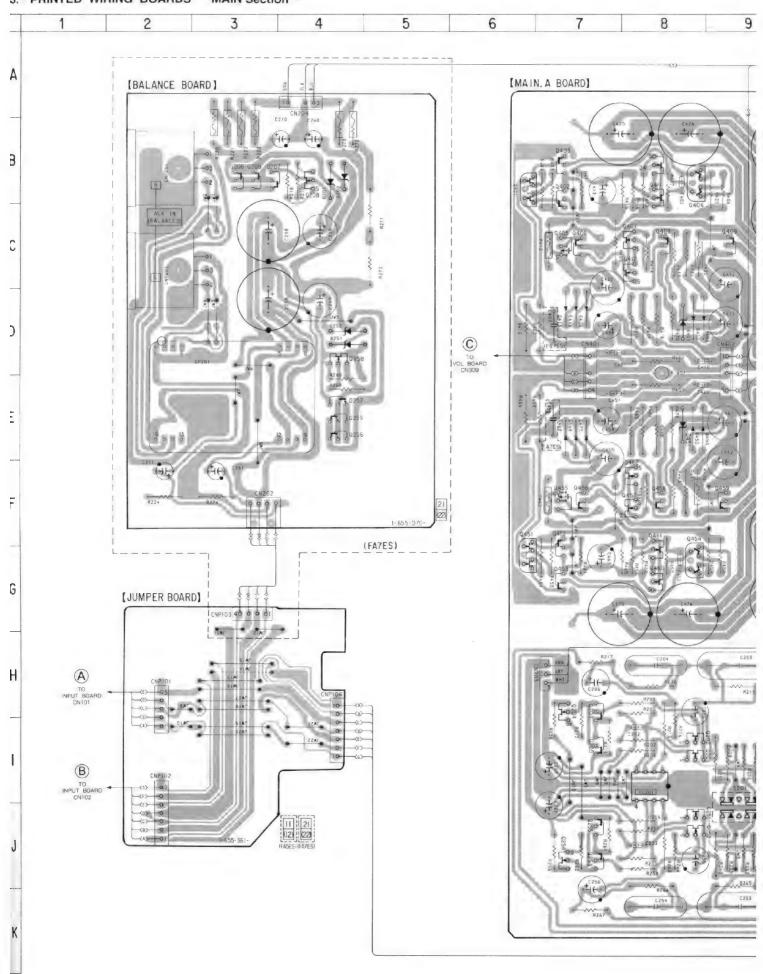


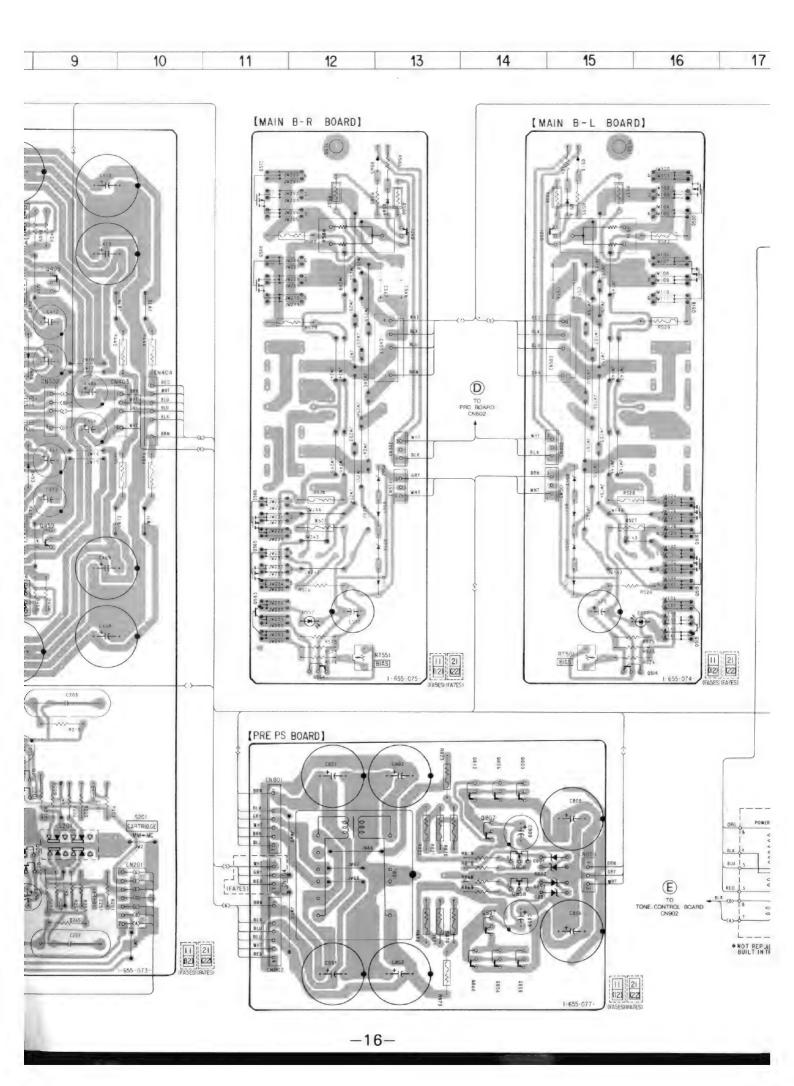
Н J K L M N 0 P Q R

G

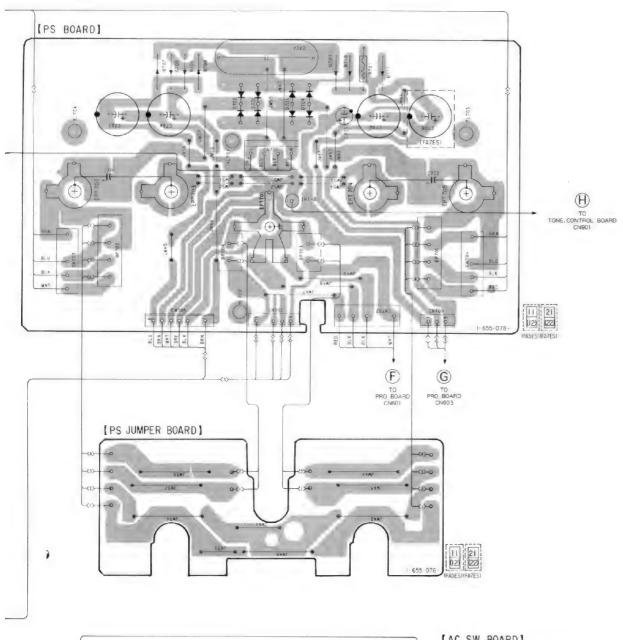
 \bullet All capacitors are in $\,\mu F$ unless otherwise noted. pF: $\mu \mu F$ 50 WV or less are not indicated except for electrolytics and tantalums. All resistors are in Ω and $1\!\!/_{\!\!4}$ W or less unless otherwise specified. % : indicates tolerance. : nonflammable resistor. fusible resistor. Note: The components identified by mark extstyle extwith mark A are critical for safety. Replace only with part number specified. B + : B + Line. B - : B - Line. : panel designation. : adjustment for repair. Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions. Voltages are taken with a VOM (10 M Ω /V). Voltage variations may be noted due to normal production tolerances.

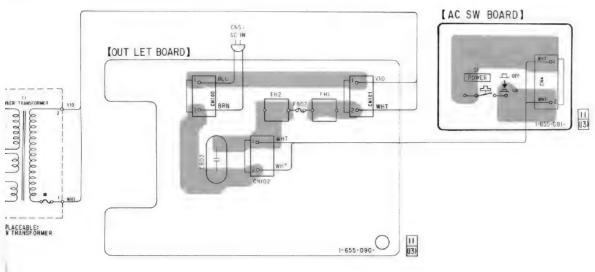
Signal path. PHONO











Semiconductor Location

Ref. 1	Vo.	Location	Ref.	No.	Location
0200 0200 0200 0200 0200 0200 0200 020	21212389012389056712345671245123456789011212	B-44 B-44 B-44 B-48 B-48 B-48 B-48 B-10		2575 72559 1003 1004 1006 1007 1007 1007 1007 1007 1007 1007	J-887777444466777888988866777888988866777888988866777888988866777888988866777888988866777888988866777888988866777888988866777888988886677788898888667778889888866777888988886677788898888667778889888866777888988886677788898888667778889888866777888988886677788898888667778889888866777888988886677788898888667778888888667778888888667778888888
020		1-8	08	306	I-14 I-14
020 020	2	1-8	Q8	307 308 309	J-14 -14
020	4	1-7	08	310	1-14
020	6	1-7 B-3	08	356 357	K-14 K-14
020020		B-3 B-4	08	358 359	J-14 K-14
0020	7	B-3		360	K-14

Note:

O: FA7ES ONLY

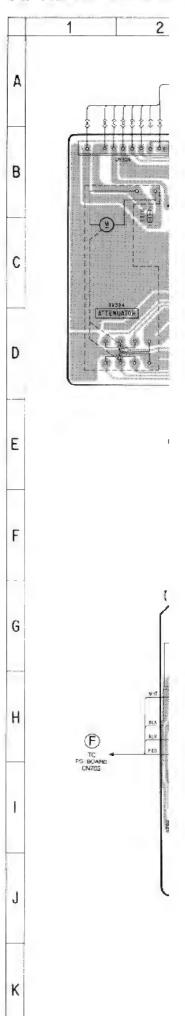
Note:

c : parts extracted from the component side.
 : Pattern from the side which enables seeing.

4-4. PRINTED WIRING BO

Semiconductor Location

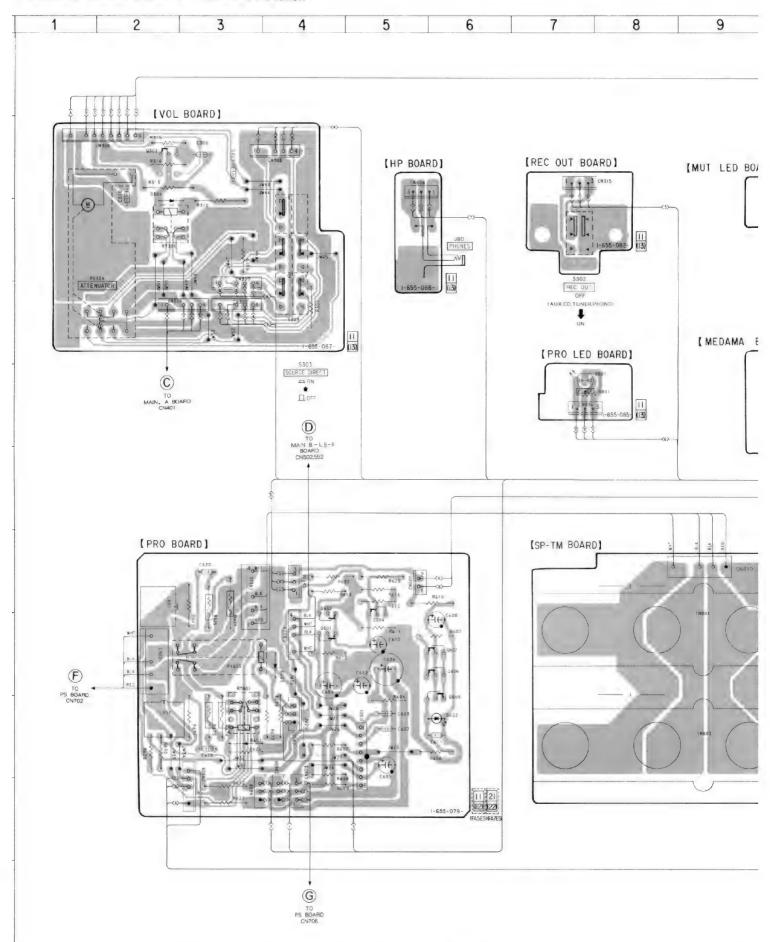
Ref. No.	Location
D101 D102 D103 D104 D105 D106 D107 D108 D109 D301 D302 D304 D603 D801 D901 D902 D903 D801 D902 D903 D904 D905 D906 D907 D908 D909 D910 D911 D912 D913 D910 D911 D912 D913 D916 D917 D918 D919 D917 D918 D919 D919 D919	G-19 G-19 G-18 H-17 H-16 H-15 H-13 H-25 C-10 C-2 I-3 H-4 E-7 B-22 B-22 C-16 C-17 C-17 C-17 C-17 C-17 C-2 B-22 B-22 C-16 C-25 D-25 D-25 D-25 D-25 D-25 D-25 D-25 D
PH101 PH102	G-13 G-14
10601 10901 10902 10903 10904 10905 10906	I-5 B-18 B-20 C-19 C-21 B-23 E-10
0101 0102 0103 0104 0105 0106 0107 0301 0302 0601 0602 0603 0604 0605 0606 0901 0902 0903 0904 0905 0906 0907	G-13 G-13 H-13 G-17 G-16 G-15 G-15 H-14 B-14 H-6 H-6 H-6 B-16 B-21 B-21 B-21 B-21 B-21 B-22 B-22

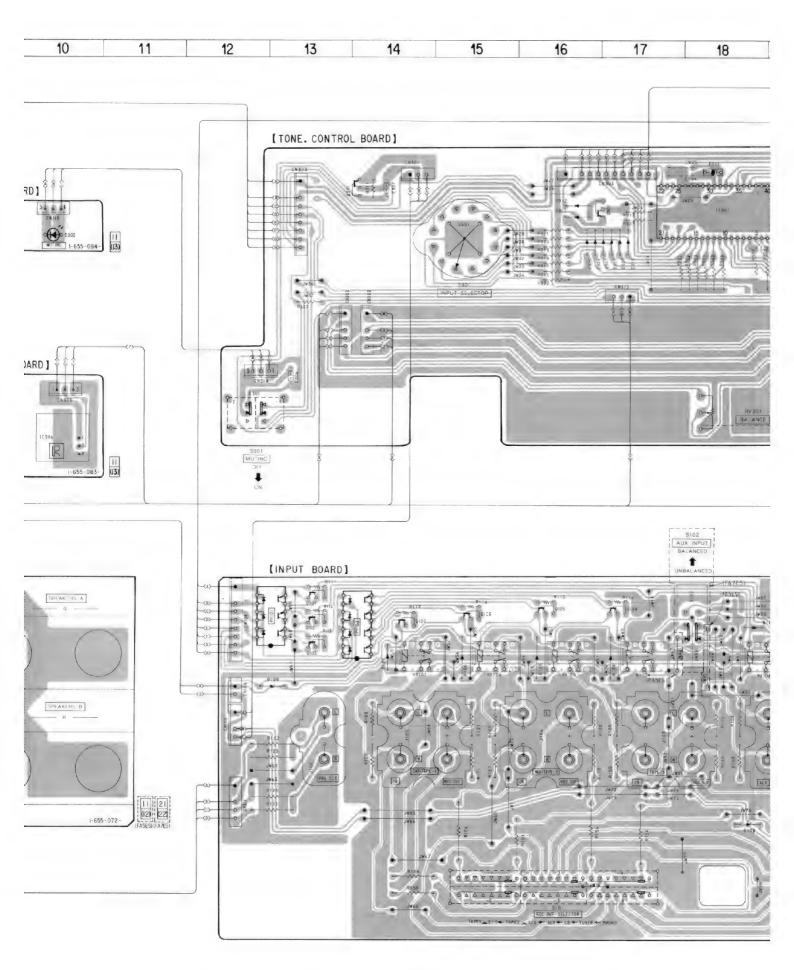


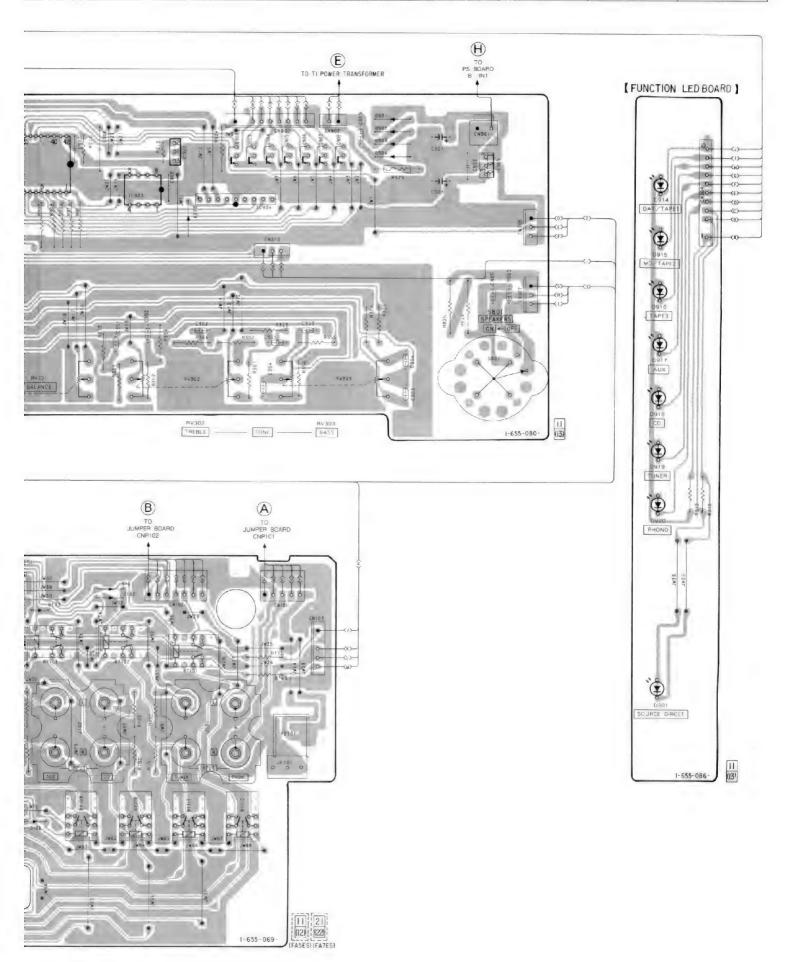
ote:

o----: parts extracted from the component side.

: Pattern from the side which enables seeing.







SECTION 5 EXPLODED VIEWS

NOTE

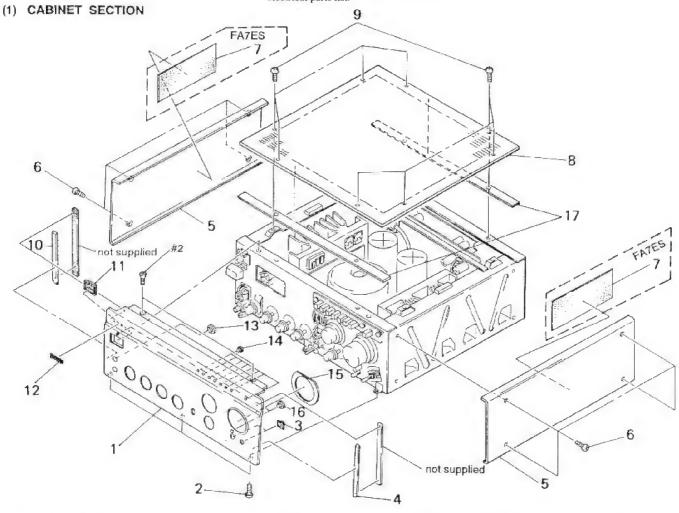
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts Example: KNOB, BALANCE (WHITE) . . . (RED)

Parts Color Cabinet's Color

- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

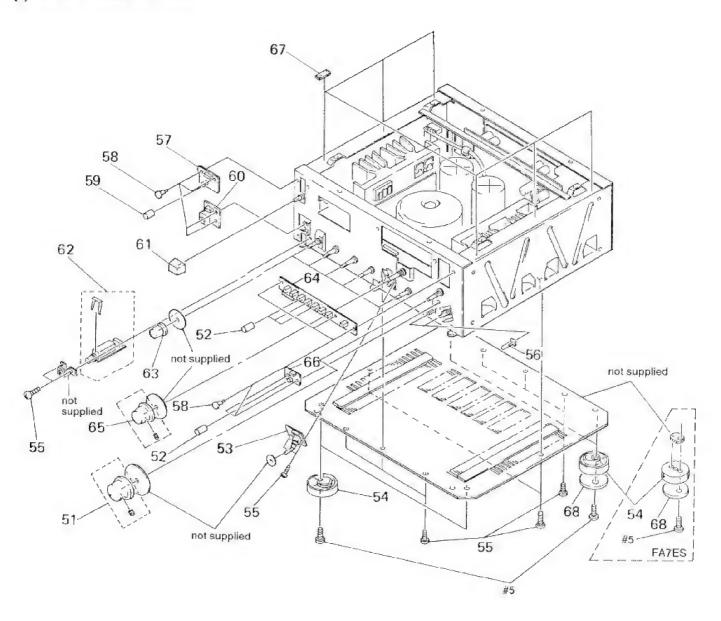
The components identified by mark A or dotted line with mark A are critical for safety.

Replace only with part number specified.



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description		Remark
1	4-970-139-41	PANEL, FRONT (FASES: BLACK)		9	4-921-439-11	SCREW (M3X8), FLAT HE	AD (GOLD)	
1	4-970-139-51	PANEL, FRONT (FASES: GOLD)		9		SCREW (M3X8), FLAT HE		
1		PANEL, FRONT (FA7ES: BLACK)		10		PLATE (L), ORNAMENTAL		,
1	4 970-139-71	PANEL, FRONT (FA7ES:GOLD)		10		PLATE (L), ORNAMENTAL		
2	3-703-685-21	SCREW (+BV 3X8)		11		ESCUTCHEON, POWER KNO		
3	4-970-145-01	ESCUTCHEON (P) (BLACK)		11	4-921-415-13	ESCUTCHEON, POWER KNO	B (G0LD)	
3	4-970-145-11	ESCUTCHEON (P) (GOLD)		12	4-942-568-01	EMBLEM (NO. 5), SONY (BLACK)	
4		PLATE (R), ORNAMENTAL (BLACK)		12	4-942-568-21	EMBLEM (NO. 5), SONY (GOLD)	
4	4-970-142-11	PLATE (R), ORNAMENTAL (GOLD)		13		WINDOW, LAY CATCHER (
5	4 970 140 01	PANEL, SIDE (BLACK)		13	4-970-143 11	WINDOW, LAY CATCHER (30LD)	
5	4 970 140 11	PANEL, SIDE (GOLD)		14	4-969-325-11	LENS. LED		
6	4-924-242-11	SCREW (M3X6), FLAT HEAD (BLACK)	15	4-970-144-01	PLATE (V), ORNAMENTAL	(BLACK)	
Б	4 924 242-61	SCREW (M3X6), FLAT HEAD (GOLD)		15		PLATE (V), ORNAMENTAL	4	
7	4-971-842:01	FELT (FA7ES)		16	4-970-486-01		,,	
* 8	4 969 333-21	BOARD, TOP (BLACK)		17	4-969-347-D1			
* 8	4-969 333 31	BOARD, TOP (GOLD)	and the state of t					

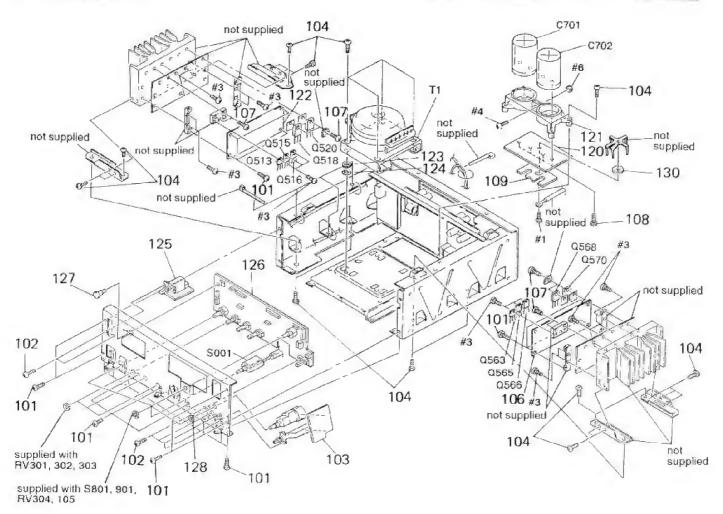
(2) FRONT PANEL SECTION



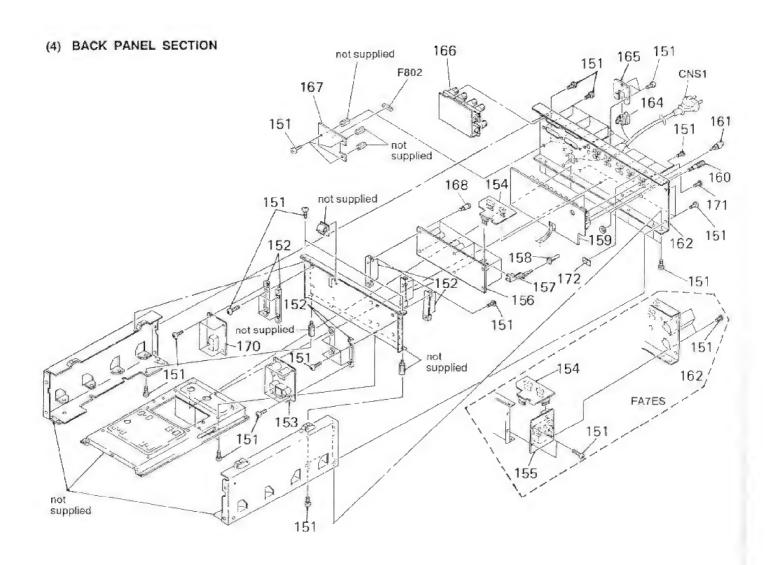
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
51	X-4945-357-1	KNOB (VB) ASSY (BLACK)		* 60	1-655-083-11	MEDAMA BOARD	
51	X-4945-359-1	KNOB (VG) ASSY (GOLD)		51	4-942-032-D1	KNOB (POWER) (BLACK)	
* 52	4-971-833-01	TUBE (A), LIGHT INTERCEPTION		61	4-942-032-11	KNOB (POWER) (GOLD)	
* 53	1-655-082-11	REC OUT BOARD		* 62	1-655-088-11	HP BOARD	
54	4-970-123-01	FOOT (F50180S) (FASES)		63	4-970-152-01	KNOB (R) (BLACK)	
54	4-970-487-01	FOOT (F50180S) (FA7ES)		63	4-970-152-11	KNOB (R) (GOLD)	
55	4-967-961-01	SCREW (3X8) (SPECIAL)		* 64	1-655-086-11	FUNCTION LED BOARD	
56	4-970-146-01	BUTTON (BLACK)		65	4-970-148-01	KNOB (I) (BLACK)	
5.6	4-970-146-11	BUTTON (GOLD)		65	4-970-148-11	KNOB (I) (GOLD)	
* 57	1-655-085-11	PRO LED BOARD		* 86	1-655-084-11	MUT LED BOARD	
58	4-812-134-00	RIVET (DIA. 3.5), NYLON		67	4-969-896-01	SPACER	
	4-971-834-01	TUBE (B), LIGHT INTERCEPTION		68	4-972-889-01	CUSHION	

Note: The components identified by mark A or dotted line with mark A are critical for safety. Replace only with part number specified.

(3) CHASSIS SECTION



Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	ו	Remark
101	4-967-961-01	SCREW (3X8) (SPECIAL)	7 3	C701	1-104-902-11	CAP. ELECT	15000uF (FA7ES)	KAR KA MATA
102	4-967-959-01	SCREW (3X6) VOL BOARD SCREW (4X8)		0701	1-107-845-12	CAP. ELECT	12000uF (FASES)	
• 103	1-655 087-11	VOL BOARD		0702	1-104-902-11	CAP. ELECT	15000uF (FA7ES)	
104	4-967-960-01	SCREW (4X8)		0702	1 - 107 - 845 - 12	CAP FLECT	12000uF (FA5ES)	
* 106	1-655-075-11	MAIN B R BOARD (FASES)		Q513	8-729-203-45			
* 106	1 655-075-21	MAIN B-R BOARD (FA7ES)		0515	8-729-018-19	TRANSISTOR	25K2D13-Y	
107	4-956-589-01	SCREW(3X14), -B (COPPER PLATING	3)	0516	8 729-018-21	TRANSISTOR	2S I313-V	
* 108	4-931-964-D1	SCREW (M4X6)		Q518	8-729-018-11	TRANSISTOR	2SK1530A-Y (FA7ES)	
	1-655-076-11	PS JUMPER BOARD (FASES)		Q518	8 729 030-14	TRANSISTOR	2SK1530B-Y (FASES)	
* 109	1-655-076 21	PS JUMPER BOARD (FA7ES)		Q520	8-729-018-13	TRANSISTOR	2SJ201A-Y (FA7ES)	
* 120	1-655-078-11	PS BOARD (FASES)		0520	8-729-030-15	TRANSISTOR	2SJ201B-Y (FASES)	
* 120	1-655-078-21	PS BOARD (FA7ES)		0583	8-729-203-45	TRANSISTOR	2SC3423-0	
* 121	4-970-132-01	HOLDER (C)		0565	8-729-018-19		2SK2013-Y	
* 122	1-655-074-11	MAIN B-L BOARD (FASES)		0566	8-729-018-21			
* 122	1-655-074-21	MAIN B-L BOARD (FA7ES)		Q568			2SK1530A-Y (FA7ES)	
* 123	3-333-771-01	WASHER		0568	8-729-030-14	TRANSISTOR	2SK1530B-Y (FASES)	
* 124		SEEET, ADHESIVE		Q570	8 729-018-13	TRANSISTOR	2SJ201A-Y (FA7ES)	
* 125	1-655-081-11			Q570	8-729-030-15	TRANSISTOR	2SJ201B-Y (FASES)	
* 126	A-4371-831-A	TONE, CONTROL BOARD, COMPLETE		S001	1 762-185-11	SWITCH BOT	ARY SLIDE (REC OUT S	ELECTOR)
127	4-812-134-00	RIVET (DIA. 3.5), NYLON		<u></u> ÂT1	1-429-111-11	TRANSFORMER	, POWER (FASES)	accolun,
128 * 130	4-972-113-01 3-555-872-21			<u> </u>	1-429-112-11	TRANSFORMER	POWER (FA7ES)	



Note: The components identified by mark A or dotted line with mark A are critical for safety.

Replace only with part number specified.

Ref. No.	Part No.	Description	Remark
151	4-967-961-01	SCHEW (3X8) (SPECIAL)	
+ 152	4-969-344-01	HOLDER (P) (FA7ES)	
9 153	1-855-077-11	PRE PS BOARD (FASES)	
+ 153	1-655-077-21	PRE PS BOARD (FA7ES)	
* 154	1-655-361-11	JUMPER BOARD (FASES)	
* 154	1-655-361-21	JUMPER BOARD (FA7ES)	
* 155	A-4378-510-A	BALANCE BOARD, COMPLETE (FA7ES)	
* 156	A-4378-507-A	MAIN, A BOARD, COMPLETE (FASES)	
e 156	A-4378-519-A	MAIN, A BOARD, COMPLETE (FA7ES)	
* 157	4-970-147-01	ROD	
158	4-970-146-01	BUTTON (BLACK)	
* 159	A-4378-506-A	INPUT BOARD, COMPLETE (FASES)	
* 159	A-4378-518-A	INPUT BOARD, COMPLETE (FA7ES)	
		TERMINAL (FASES)	
		TERMINAL (FATES)	
161	1-506-113-00	SHORT PLUG	

Ref. No.	Part No.	Description	Remark
* 162	4-975-263 01	PANEL, BACK (FASES)	
« 162	4-975-263-11	PANEL, BACK (FA7ES)	
164	2-352-626-01	BUSHING, CORD	
* 165	4-923-873-01	BRACKET, CORD STOPPER	
* 166	1-655-072 -11	SP TM BOARD (FASES)	
* 166	1-655-072-21	SP-TM BOARD (FA7ES)	
* 167	1-655-071-11	OUT LET BOARD	
168	4-973-106-01	SCREW, COLLAR	
* 170	A-4378-503-A	PRO BOARD, COMPLETE (FASES)	
* 170	A-4378-516-A	PRO BOARD, COMPLETE (FA7ES)	
171	3 703 685 21	SCREW (+BV 3X8)	
172	4-970-145-01	ESCUTCHEON (P) (BLACK)	
ACNS1	1-575-953-11	CORD, POWER	
%F802	1-532-299 00	FUSE, TIME-LAG (T5A 250V) (FA7E	ES)
ÆF802	1-532-350-00	FUSE. TIME-LAG (T4A 250V) (FASE	(2)

SECTION 6 ELECTRICAL PARTS LIST

AC SW

BALANCE

FUNCTION LED

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
 All resistors are in ohms.
 METAL:Metal-film resistor.

 METAL OXIDE: Metal oxide-film resistor.
 F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
 Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS

In each case, $u: \mu$, for example: $uA \dots : \mu A$. $uPA \dots \mu PA$.

uPB. .: μPB. . uPC. .: μPC. . uPD. .: μPD. .

• CAPACITORS

uF: \(\mu F\)

• COILS uH: μH The components identified by mark A or dotted line with mark A are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

1 . 111/11	1 TAIIIIIAD FE				un. gan						
łe f. No.	Part No.	Description		Re	emark	Ref. No.	Part No.	Description			Remar
	1~655-081-11										
		********						< TRANSISTO	R >		
		< CONNECTOR >				Q208	8 729 030 18	TRANSISTOR	2SD2525		
		Commediate				Q207	8-729-281-54		2SC1815-	BL.	
CN4	1-580-629-11	PIN, CONNECTOR	R 2P			Q208	8-729-202-67		2SK246-6		
						Q209	8-729-030-18		2SD2525		
		< SWITCH >				Q256	8-729-030-19	TRANSISTOR	2SB1640		
S1	1-554-538-00	SWITCH, PUSH	(AC POWER) (1	KEY) (PO	OWER)	Q257	8-729-201-53	TRANSISTOR	2SA1015-	GR	
		*******	, ,			Q258	8-729-202-67		2SK246-G		
						Q259	8-729-030-19		2SB1640		
	A-4378-510-A	BALANCE BOARD,	COMPLETE	(FA7ES)							
		*********	********					< RESISTOR	>		
		< CAPACITOR >				R210	1 249 931-11	CARBON	2, 2K	5%	1/4W
						R218	1-259-171-21	CARBON	1.5K	5%	1/4₩
C208	1-110-397-11	ELECT	1000uF	20%	63V	R220	1-219-022-11	FUSIBLE	100	5%	1/2W F
C209	1-110-393-11	ELECT	100uF	20%	63V	∆R221	1-219-022-11	FUSIBLE	100	5%	1/2W F
C210	1-110-390-11	ELECT	22uF	20%	63V		1-219-022-11	FUSIBLE	100	5%	1/2W F
C211	1-110-390-11	ELECT	22uF	20%	63V						
C258	1-110-397-11	ELECT	1000uF	20%	63V	ÆR223	1 219 022 11	FUSIBLE	100	5%	1/2W F
						R224	1-124-995-11	CARBON	1M	5%	1/4W
C259	1-110-393-11		100uF	20%	63V	R260	1-249-931-11	CARBON	2.2K	5%	1/4W
	1-110 390 11		22uF *	20%	60V	R268	1-259-171-21		1.5K		1/4W
C261	1-110-390-11	ELECT	22uF	20%	63V	ÆR270	1-219-022-11	FUSIBLE	100	5%	1/2W F
		$\leq {\tt CONNECTOR} >$				<u> </u>	1-219-022-11	FUS1BLE	100	5%	1/2W F
						/î\R272	1 219 022 11	FUSIBLE	100	5%	1/2W F
		CONNECTOR, BOA				<u> </u>	1~219~022-11	FUSIBLE	100	5%	1/2W F
		PLUG (MICRO CO				R274	1-124-995-11	CARBON	IM	5%	1/4W
		CONNECTOR (CAN				9999999	****	********	****	00000	9999*****
CNPZ51	1-766-803-11	CONNECTOR (CAN	(UN)			1.	1 CEE COC 44	FUNCTION 17:0	DOIDE		
		< COMPOSITION	CIRCUIT BLO	CK >		*	1-655-086-11	++++++++			
CP201	1-233-250-11	ENCAPSULATED C	COMPONENT					< CONNECTOR	>		
		< DIODE >				CN904	1-691-772-11	PLUG (MICRO	CONNECTOR;) 10P	
D201	8-719-000-93	DIODE UZL-7F	11					/ nione \			
D201 D202	8-719-000-93							< DIODE >			
	8-719-000-93					D301	8-719-301-49	TED CELS	810A (SUR	er ni	DECT)
D251	8-719-000-93					D301	8-719-301-49		810A CD (
PEOL	5 725 000 30	PAGE OAL II	11			D914 D915	8-719-313-72		810A-CD (N		
						D916	8-719-313-72		810A-CD (1		
						D917	8-719-313-72		810A-CD (A		,
						POIL	n 119 919 15	PPA OFFO	OION OF U	iun/	

FUNCTION LED HP INPUT

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description			Remark
		LED SEL3810A-CD (CD) LED SEL3810A-CD (TUNER)		J104	1-766-895-11	JACK, PIN 4P	(MD/TAPE	E-2) ((FASES)
		LED SEL3810A-CD (PHONO)		J104	1-766-895-21	JACK, PIN 4P	(MD/TAPE	(-2)	(FA7ES)
		, , , , , , , , , , , , , , , , , , , ,		J105	1-766-895-11				
		< RESISTOR >		J105	1-766-895-21				-
				J106	1 766 894 31				, , , , , , , , ,
R310	/1-249-407-11	CARBON 150 5%	1/4W	J106	1-766-894-41			-	
R912	1-249-411-11		1/4W			< PHOTO INTE	RUPTER >		
*	1-655-088-11				8 719 946 27			n na	
		****		PH102	8-719-936-58	PHOTO COUPLET	C PG847	- RC	
		< CONNECTOR >				< TRANSISTOR	>		
+ CN808	1-564-506-11	PLUG, CONNECTOR 3P		Q101	8-729-281-54	TRANSISTOR	2SC1815-	BL	
				Q102	8 729 281 54	TRANSISTOR	2SC1815	BL	
		< JACK >		Q103	8-729-281-54	TRANSISTOR	2SC1815-	BL	
				Q104	8-729-281-54	TRANSISTOR	2SC1815	Bl.	
		JACK (PHONES)		Q105	8-729-281-54	TRANSISTOR	2SC1815-	BL	
****	++++++++++	***************	*******			60 HO 100 A		D.I.	
	4000 500 4 5	NOUT DOADD COMPLETE (CASES)		4	8-729-281-54				
		NPUT BOARD, COMPLETE (FASES) NPUT BOARD, COMPLETE (FA7ES)		Q107	8-729-281-54	TRANSTSTUK	Z201912-	BL	
		***************************************				< RESISTOR >			
* 1	-535-730-21 LI	EAD, JUMPER (OFC)		R101	1-124-995-11	CARBON	1M	5%	1/4W
				R102	1-124-995-11	CARBON	1M	5%	1/4%
		< CONNECTOR >		R103	1-124-995-11	CARBON	1M	5%	1/4W
				R104	1-259-167-21	CARBON	1K	5%	1/4W
		CONNECTOR, BOARD TO BOARD 5F		R105	1-124-995-11	CARBON	1M	5%	1/4W
		CONNECTOR, BOARD TO BOARD 7F)						
		PLUG (MICRO CONNECTOR) 4P		R106	1-259-167-21		1 K	5%	1/4W
		PLUG (MICRO CONNECTOR) 8P		R107	1-124-995-11		1 M	5%	1/4W
CN105	1-691-765-11	PLUG (MICRO CONNECTOR) 3P		R108	1-259-167-21		1 K	5%	1/4W
65.400	4 504 505 44	DITIO COMPONED OF		R109	1-124-995-11		1M	5%	1/4W
		PLUG, CONNECTOR 2P PLUG (MICRO CONNECTOR) 4P		R111	1-259-167-21	CARBUN	1K	5%	1/4W
Civali	1 831 700 11	PEGG (WICHO COMECTOR) 31		R112	1-259-167-21	CARRON	1K	5%	1/4W
		< D10DE >			1-259-167-21		1K	5%	1/4W
					1-259-167-21		1K		1/4W
D101	8-719-987-63	DIODE 1N4148M		R115	1 259 167 21		1K	5%	1/4W
D102	8-719-987-63	DIODE 1N4148M		R116	1-259-167-21	CARBON	1 K	5%	1/4W
D103	8-719-987-63	DIODE 1N4148M							
D104	8-719-987-63	DIODE 1N4148M		R117	1-259-167-21	CARBON	1K	5%	1/4W
D105	8-719-987-63	DIODE 1N4148M		R118	1-259-143-21	CARBON	100	5%	1/4W
				R119	1-124-995-11	CARBON	1 M	5%	1/4W
D106	8 719 987 63	DIODE 1N4148M		R120	1 124 995 11		1M	5%	1/4W
D107	8-719-987-63			R121	1-124-995-11	CARBON	1M	5%	1/4W
D108	8-719-987-63					A - 7-6 A - 1		pra.	4 (65)
D109	8-719-000-93	DIODE UZL-7H1		R122	1-249-226-11		4. 7K		1/3W
		/ 110V >		B123	1-249-194-11		220	5%	1/3W
		< JACK >		R151	1-124-995-11		1M	5%	1/4W
1104	1 700 000 04	TACK DIN 40 /BHONG THREE		R152	1-124-995-11		1M	5%	1/4W
J101		JACK, PIN 4P (PHONO TUNER)		R153	1-124-995-11	OMEDUN	1M	5%	1/4W
J102 J103		JACK, PIN 4P (AUX CD) JACK, PIN 4P (TAPE-3) (FASES)		R154	1-259-167-21	CADRON	18	5%	1/4W
J103		JACK, PIN 4P (TAPE-3) (FA7ES)		R154 R155	1-259-167-21		1M	5%	1/4W
0100	1 100 030 21	ones, its in the trail of (IR(Lo)		0.193	I LEG FAI I	CO-41ELDCOL1	230	47.70	1/ 74

INPUT JUMPER MAIN. A

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Descrip	tion		R	emark
R156	1-259-167-21	CARBON	1K	5%	1/4W			< GAPAC	ITOR >			
R157	1-124-995-11	CARBON	1M	5%	1/4W							
R158	1-259-167-21	CARBON	1K	5%	1/4W	C201	1-104-290-11	POLYSTY	RENE 330PF	5%	50V	
						C202	1-130-973-00	FILM	0. 022uF	2%	100V	
R159	1-124-995-11	CARBON	1M	5%	1/4W	C203	1-130-341-00	FILM	0. 05GuF	2%	100V	
R168	1-259-143-21	CARBON	100	5%	1/4W	C204	1 130 971 00	FILM	0. 016uF	2%	100V	
R169	1-124-995-11	CARBON	1M	5%	1/4W	C205	1-124-929-11	ELECT	22uF	20%	100V	(FASES)
R170	1-124-995-11	CARBON	1M	5%	1/4W							
R171	1-124-995-11	CARBON	1M	5%	1/4W	C205	1-110-390-11	ELECT	22uF	20%	63V	(FA7ES)
						C206	1-124-929-11		22uF	20%		(FASES)
R172	1-249-226-11		4. 7K		1/3₩	C206	1 - 110 - 390 - 11		22uF	20%		(FA7ES)
R173	1-249-194-11	CARBON	220	5%	1/3W	C207	1-124-929-11		22uF	20%		(FASES)
						C207	1-110-390-11	ELECT	22uF	20%	63V	(FA7ES)
		< RELAY >										
						C251	1-104-290-11		RENE 330PF	5%	50V	
	1-755-060-11					C252	1-130-973-00		0. 022uF	2%	100V	
	1 755 060 11					C253	1-130-341-00		0. 056uF	2%	100V	
	1-755-060-11					C254	1 130 971-00		0.016uF	2%	100V	
	1-755-060-11					C255	1-124-929-11	ELECT	22uF	20%	100V	(FASES)
RY105	1-755-060-11	RELAY										
B						C255	1-110-390-11		22uF	20%		(FA7ES)
	1-755-060-11					C256	1-124-929-11		22uF	20%		(FASES)
	1-755-060-11					C256	1-110-390-11		22uF	20%		(FA7ES)
	1-755-060-11					C257	1-124-929-11		22uF	20%		(FASES)
	1-755-060-11					C257	1-110-390-11	ELECT	22uF	20%	63V	(FA7ES)
RY110	1-755-060-11	RELAY										
						C401	1-104-274-11			10%		(FASES)
RY111	1-755-060-11	RELAY				C401	1-104-322-11			10%		(FA7ES)
						C402	1-136-810-11		220PF	5%	100V	
		< SWITCH >				C405	1-126-025-11		330uF	20%	25V	
			(c			C406	1-126-025-11	ELECT	330uF	20%	25V	
S101	1-570-076-11	SWITCH, SLIDE	(REMOTE		•							
0100	4 700 404 44	autman at the	/ h = 222		OUT SELECTOR)	C408	1-110-390-11		22uF	20%	63V	
S102	1-762-181-11	SWITCH, SLIDE	(AUX IN	PUT) ((FA7ES)	C409	1-110-512-11		1uF	10%	50V	(FA7ES)
						C410	1-104-274-11			10%		(FASES)
		< BRACKET >				C410	1-104-322-11			10%		(FA7ES)
TID - 6 -						C411	1-126-025-11	ELECT	33DuF	20%	25V	
		BRACKET (GROU										
*****	********	*********	******	00000	********	C412	1-126-025-11		330uF	20%	25V	
	1 055 004 44	HIMPED DOLDS	(n.eno)				1-110-390-11		22uF	20%	63V	
		JUMPER BOARD					1-110-397-11		1000uF	20%	63V	
6	1-655-361-21	JUMPER BOARD	(PA/ES)			C419	1-110-397-11		1000uF	20%	63V	
		****				C425	1-128-474-11	ELEUT	1000uF	2D%	63V	
		/ PANNEGRAD .				0400	1 100 474 11	CI COE	*000 P	0.000	0.011	
		< CONNECTOR >				C426	1-128-474-11		1000uF	20%	63V	(FAEDO)
e CND101	1_EED.E91_11	PIN, CONNECTOR	B ED			C451	1-104-274-11			10%		(FASES)
		PIN, CONNECTOR				C451	1-104-322-11			10%		(FA7ES)
		PIN, CONNECTOR		Tret		C452	1 136 810 11		220PF	5% 20*	100V	
		PIN, CONNECTOR	_	(123)		C455	1-126-025-11	C.L.C.V.I	330uF	20%	25Y	
		FIN, CONNECTOR		44444		CAEC	1-126-025-11	FIFCT	220	204	250	
,	·	· · · · · · · · · · · · · · · · · · ·	· · · ተተተተተ	~~***	************	C456	1-120-025-11		330uF	20%	25V	
+	A_4370_CO7_A	MAIN. A BOARD,	COMPLET	T /T.	EFC)	C458			22uF	20%	63V	(EATEC)
						C459	1-110-512-11		luf	10%		(FA7ES)
+	W. 4219.213-Y	MAIN, A BOARD,			(L3)	C460	1-104-274-11			10%		(FASES)
		+++++++++++		7		C460	1-104-322-11	POLYSTY	ant 47Pf	10%	400V	(FA7ES)
*	1,535,930_91	LEAD, JUMPER	(OEC)			0461	1_196_095_11	FLECT	33000	9,00	950	
*11/	1-333-730-21	LEAD, JUMPEK	(OFC)			C461	1-126-025-11		330uF	20%	25V	
						C462	1-126-025-11	FFECT	330uF	20%	25V	

MAIN. A

Ref. No.	Part No.	Descrip	tion		Remark	Ref. No.	Part No.	Description			Remark
C463	1-110-390-11	ELECT	22uF	20%	63V	Q204	8-729-202-67	TRANSISTOR	- 2SK246-G	R3	
C468	1-110-397-11	ELECT	1000uF	20%	63V	Q205	8-729-281-54	TRANSISTOR	2SC1815-	BL,	
C469	1-110-397-11	ELECT	1000uF	20%	63V	Q251	8-729-217-04	TRANSISTOR	2SK170-V	(FASES)	J
						Q251	8-729-214-71	TRANSISTOR	2SK147 G	R (FA7ES)	ı
0475	1 128-474-11	ELECT	1000uF	20%	63V	0252	8-729-217-04		2SK170-V		
C476	1-128-474-11		1000uF	20%	63V						
.,						Q252	8-729-214-71	TRANSISTOR	2SK147-G	R (FA7ES)	
		CONNEC	TOR >			Q253	8-729-203-45		2SC3423-		
						Q254	8-729-202-67		2SK246-G		
e CN201	1-565-483-11	CONNECTO	DR BOARD	TO BOARD	7P	Q255	8-729-281-54		2SC1815-		
	1 564 506 11				,	Q401	8-729-203-21		2SK389-G		
	1-691-766-11					12301	0 120 200 01	110 1100 1100 1100	gentodo d		
	1-691-766-31					Q402	8-729-281-54	TRANSISTOR	2SC1815-	BI	
	1-691-766-21					Q403	8-729-281-54		2SC1815		
011403	1 031 700 21	r bod (st	tono obaa.	indition) an		Q404	8-729-232-00		2SA1349-		
LOVING	1-564-510-11	BELIC /WI	Leba cava	естор) ер		Q405	8-729-018-21		2SJ313 Y		
UNANA	1-304-310-11	FEUG (A)	tono coaa.	ECTOR/ OF		-					
		< DIODE	>			Q406	8 729 104 91	THE STATE OF THE S	2SA1383	Ų	
		_				Q407	8-729-202-67	TRANSISTOR	2SK246-G	R3	
D401	8-719-933-41	DIODE	HZS6C3L			Q408	8-729-104-18	TRANSISTOR	2SC3514-	Q	
D402	8-719-987-63		1N4148M	(FASES)		Q409	8-729-104-18	TRANSISTOR	2SC3514-	Q	
D402	8-719-200-02	DIODE	10E2	(FA7ES)		Q410	8-729-202-67	TRANSISTOR	2SK246-G	R3	
0403	8-719-987-63		1N4148M			0411	8-729-202-67	TRANSISTOR	2SK246-G	R3	
D403	8-719-200-02			(FA7ES)							
	0 710 000 01			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Q412	8-729-202-67	TRANSISTOR	2SK246-G	R3	
D418	8-719-987-63	DIODE	1N4148M	(FASES)		Q451	8-729-203-21		2SK389-G		
D418	8-719-200-02			(FA7ES)		Q452	8-729-281-54		2SC1815-		
D419	8-719-987-63		1N4148M			0453	8-729-281-54		2SC1815-		
D419	8 719 200 02			(FA7ES)		0454	8-729-232-00		2SA1349-		
D420	8-719-987-63		1N4148M			4101	5 723 232 50	1101.1010101	ED.11010	OIIDE	
P-160	0 110 551 00	p 1 0 b 1,	114 61 100-1	(11000)		Q455	8-729-018-21	TRANSISTOR	2SJ313-Y		
D420	8-719-200-02	DIODE	10E2	(FA7ES)		Q456	8-729-104-91		2SA1383-		
D451	8-719-933-41		HZS6C3L	(Intest		Q457	8-729-202-67		2SK246-G		
D452	8-719-987-63		1N4148M	(FASES)		Q458	8-729-104-18		2SC3514-		
D452	8-719-200-02			(FA7ES)		Q450 Q459	8 729 104 18		2SC3514		
D453	8 719 987 63		1N4148M			6433	D 723 104 10	TIMADIDIVIC	£300014	A	
D-100	0 119 901 09	DIODL.	114-51-5031	(India)		Q460	8-729-202-67	TOAVETETAD	25K246~G	13/3	
D4E2	9 710 200 02	DIODE	10E2	/CATEC)		4	8-729-202-67		25K246-G		
D453	8-719-200-02					Q461					
D468	8-719-987-63		1N4148M			Q462	8-729-202-67	TIM SOLD I SIN	2SK246-G	nJ	
D468	8-719-200-02			(FA7ES)				/ preteren -			
D469	8-719-987-63		1N4148M					< RESISTOR >	,		
D469	8 719 200 02	אַנטונע	10E2	(FA7ES)		13/243.5	1 940 011 11	CADIMA	991	Ear -	/ AUA
D.470	B 710 007 CO	hiore	18141 4086	(CACEO)		R201	1-249-911-11		330		ADE
D470	8-719-987-63		1N4148M			R202	1-259-143-21		100		AW AID
D470	8-719-200-02	DIODE	10E2	(FA7ES)		R203	1-259-207-21		47K		/4W
						R204	1-249-919-11		680		4W
		< 10 >				R205	1 249 919 11	CARBON	680	5% 1/	4W
10201	8-759-701-25	IC NUM	42068D-D	(FASES)		R206	1-249-939-11	CARBON	1. 7K	5% 1/	'AW
10201	8-759-259 12	IC OPA	AZ504AP	(FA7ES)		R207	1-259-143-21	CARBON	100	5% 1/	4W
						R208	1-249-915-11	CARBON	470	5% 1/	4W
		< TRANS!	ISTOR >			R209	1-259-143-21	CARBON	100	5% 1/	4W
						R210	1-249-485-11	CARBON	8. 2	5% 1/	3W
Q201	8-729-217-04			170-V (F			4 040 000	albbor.	6.5	En:	7.410*
Q201	8-729-214-71			147-GR (F.		R211	1-249-887-11		33		4W
Q202	8-729-217-04			170-V (F		R212	1-259-151-21		220		4W
Q202	8-729-214-71			147-GR (F	A7ES)	R213	1-259-151-21		220		4W
Q203	8-729-203-45	TRANSIST	FOR 2SC	3423-0		R214	1-124-995-11	CARBON	1M	5% 1/	4W

MAIN. A MAIN B-L

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description			Re	emark
R215	1-249-844-11	CARBON	56K	1%	1/2W	R455	1-249-931-11	CARBON	ż. 2K	5%	1/4W	
						R456	1 - 249 - 943 - 11	CARBON	6.8K	5%	1/4W	
R216	1-249-818-11	CARBON	4. 7K	1%	1/2₩	R457	1-259-151-21	CARBON	220	5%	1/4W	
R217	1 259 151 21	CARBON	220	5%	1/4W	Ì						
R251	1-249-911-11	CARBON	330	5%	1/4W	R458	1-259-151-21	CARBON	220	5%	1/4%	
R252	1-259-143-21	CARBON	100	5%	1/4W	R459	1-259-151-21	CARBON	220	5%	1/4%	
R253	1-259-207-21	CARBON	47K	5%	1/4W	R460	1-259-207-21	CARBON	47K	5%	1/4W	
						R461	1-259-167-21	CARBON	1K	5%	1/4W	
R254	1-249 919-11	CARBON	680	5%	1/4W	/\R462	1-219-193-11	FUSIBLE	220	5%	1/2W	F
R255	1-249-919-11	CARBON	680	5%	1/4W							
R256	1-249-939-11		4.7K	5%	1/4W	R463	1-249-842-11	CARBON	47K	5%	1/2W	
R257	1-259-143-21	CARBON	100	5%	1/4W	R464	1-259-171-21	CARBON	1.5K		1/4W	
R258	1-249-915-11	CARBON	470	5%	1/4W	R465	1-249-953-11	CARBON	18K	5%	1/4₩	
						R466	1-249-186-11		100	5%	1/3W	
R259	1-259-143-21	CARBON	100	5%	1/4W	R467	1-249-234-11		1DK	5%	1/3₩	
R260	1 249 485-11		8. 2	5%	1/3W		11	V13110-011	1011	LP/4)	17011	
R261	1-249-887-11		33	5%	1/4₩	R468	1-249-234-11	CARRON	10K	5%	1/3W	
R262	1 259 151 21		220	5%	1/4W	R460	1-214-937-00		134	1%	1/2W	
R263	1-259-151-21		220	5%	1/4W	R470	1-259-171-21		1. 5K		1/4W	
11200	1 155 101 21	OZINDON	110	0.0	1/ 1/1	R471	1-249-939-11					
R264	1-124-995-11	CARRON	1M	5%	1/4W	1471 1€R472	1-219-022-11		4. 7K 100	5%	1/4W	E
R265	1-249-844-11		56K	1%	1/2W	/1\n4 + Z	1-218-022-11	LASIDLE	100	3%	1/2W	Г
R266			4. 7K			A B404	1 910 099 11	CHCIDIC	100	Fox	4 (011)	r.
	1 - 249 - 818 - 11				1/2W	/₹\R494	1 219-022-11		100	5%	1/2W	
E267	1 - 259 - 151 - 21		220	5%	1/4W	<u> </u>	1-219-022-11	FUSTBLE	100	5%	1/2W	F
R401	1.214 937.00	METAL	1 M	1%	1/2W							
D 400								< SWITCH >				
R402	1-249-210:11		1K	5%	1/3₩							
R403	1 249 883 11		22	5%	1/4W			SWITCH, PUSH (1				
8404	1-249-883-11		22	5%	1/4W	the the the the the the the the the	*****	*****	*****	****	*****	****
R405	1-249-931-11		2. 2K	5%	1/4W							
8406	1-249-943-11	CARBON	6. 8K	5%	1/4W	**	1-655-074-11	MAIN B-L BOARD	(FASES	.)		
						*	1-655-074-21	MAIN B-L BOARD	(FA7ES)		
B407	1 259 151 21	CARBON	220	5%	1/4W			********				
B408	1 259 151 21	CARBON	220	5%	1/4W							
R409	1-259-151-21	CARBON	220	5%	1/4W			< CAPACITOR >				
R410	1-259-267-21	CARBON	47K	5%	1/4₩							
B411	1-259-167-21	CARBON	1 K	5%	1/4W	C516	1~137~163-11	F1LM 0.33u	F	10%	63V	
						C517	1-137-163-11	FILM 0.33u	F	10%	63V	
<u>/1</u> \R412	1-219-193-11	FUSIBLE	220	5%	1/2W F	C520	1-124-920-11	ELECT 330uF		20%	63V	(FA5ES)
R413	1-249-842 11	CARBON	47K	5%	1/2W	0520	1-110-391-11			20%		(FA7ES)
R414	1-259-171-21	CARBON	1.5K	5%	1/4W	C570	1-110-391-11			20%		(FA7ES)
R415	1 249 953-11		18K	5%	1/4₩					B 0.4	001	(1111122)
R416	1 249 186 11		100	5%	1/3₩			< connector >				
B ***												
R417	1-249-234-11		10K	5%	1/3W			PLUG, CONNECTOR				
R418	1-249-234-11		10K	5%	1/3W			PLUG, CONNECTOR				
R419	1-214-937-00		1M	1%	1/2W	CN503	1-766-897-21	PIN, CONNECTOR	(PC B0)	ARD) 4	4P	
R420	1 259-171-21	CARBON	1. 5K	5%	1/4W							
R421	1-249-939-11	GARBON	4. 7K	5%	1/4₩	1		< D10DE >				
<u> </u>	1-219-022-11	FUSTBLE	100	5%	1/2W F	D505	8-719-987-63	DIODE 1N4148M				
∆R444	1-219-022-11		100	5%	1/2W F	D506	8-719-985-53					
∆R445	1 219 022 11		100									
R451	1 214 937 00			5%	1/2W F	D507	8-719-310-60					
R452	1-249-210-11		1M 1K	1% 5%	1/2W	D511 D512	8 719 987 63 8-710-095-53					
11102	1 613 610 11	AUMON	TIJ	O.W	1/3W	Dalt	8-719-985-53	DIODE HZS4ALL				
R453	1-249 883 11	CARBON	22	5%	1/4W	0513	8-719-987-63	DIODE 1N4148M				
R454	1-249-883-11		22	5%	1/4W	0514	8-719-987-63					
Halou.	1 11000 011	VARIDON	LL	JAI	1/ 40	I BUTA	, u / ra 20/-0J	DIODE INSTANT				
						mark ⊿ △ are	mponents ident A or dotted li critical for e only with pa	ne with mark. safety.				

specified.

AIN	B-L I	MAIN	B-R	ME	DAMA	MUT	L	ED	OL	JT LET				
Ref. No.	Part No.	Descrip	tion		Remark	Re	f. No.	Part ?	No.	Description			Rei	wark
	iner Jesseyan Harrish Market pelanguamen (d.	< TRANS	SISTOR >				Q571	8-729-	140-82	TRANSISTOR 2	2SA988-1	PAFAEA		
Q514		-53 TRANSIS		015-GR						< RESISTOR >				
Q521	8-729-140-	-82 TRANSIS	TUR ZSA9	88-PAFAE	:A		B573	1-249-	-941-11	CARBON	5. 6K	5%	1/4%	
		< RESIS	TOR >				R574			CARBON	1K	5%	1/4W	
							R575			CARBON	1. 5K	5%	1/4%	
R523	1-249-941-	-11 CARBON	5	6K 5%	1/4W	Æ	R576	1-202	954-11	FUSIBLE	470	5%	1/2%	4
R524	1-259-167-	21 CARBON	1	K 5%	1/4W	Â	R577	1-202	954-11	FUSIBLE	470	5%	1/20	ř
R525	1-259-171-	21 CARBON	L	. 5K 5%	1/4W									
<u> </u>	1-202-954			70 5%	1/2W F					FUSIBLE	220	5%	1/2%	
<u> </u>	1-202-954	-11 FUSIBLE	. 4	70 5%	1/2W F	_	R579			FUSIBLE	47	5%	1/2%	
6 DE00	1 010 102	14 CHOIDIN		an re	1 /900 C	<u>/r</u>	R582			FUSIBLE	47	5%	1/2W	4
AR528		-11 FUSIBLE -11 FUSIBLE		20 5% 7 5%	1/2W F 1/2W F		R584 R585			RES, WIREWOUND	, 15K	5%	1/4W	
⚠R529 ↑R532		-11 FUSIBLE			1/2W F		naga	1.549.	331-11	CARDON	1313	3.6	1/40	
R534		-11 RES. WI		1 3.0	1/24 1		R586	1-259-	-191-21	CARBON	10K	5%	1/4%	
R535		-11 CARBON		5K 5%	1/4W	Æ	R587			CARBON	2. 2K		1/4%	F
						4414	R588	1-247	-717-11	CARBON	2. 2K	5%	1/4%	ř
R536	1-259-191-	-21 CARBON	1	0K 5%	1/4W									
<u></u>	1-247-717	-11 CARBON	2	. 2K 5%	1/4W F					< VARIABLE RES	SISTOR :	>		
△ R538	1-247-717	-11 CARBON	2	. 2K 5%	1/4W F									
		< VARIA	ABLE RESIST	OR >		***				RES, ADJ. META			+++++	***
DECO.	4 004 100				,			1 000	002.11	MENAMA DOLON				
	1-224-490-				\ ·*******	*		1-655	-083-11	MEDAMA BOARD				
9.		-11 MAIN B-	1							< 10 >				
*	1-655-075	-21 MAIN B-	,	A7ES)			10000	0.040	000 40	TO CONTIESVO				
		*****	*****					8-749-		IC GP1U57XB		கைகள்கள்	aaaadd	de de de s
		< CAPAG	CITOR >						*****	1. 4. 4. 4. 1. 4. 4. 5. 5. 5. 6. 5. 5. 1. 4	. 4. 4. 4. 4. 4. 4. 4.		7 7 7 7 7 7 7	
		Contract	TION .			*		1-655	-084-11	MUT LED BOARD				
C566	1-137-163	-11 FILM	0. 33uF	109	6 B3V					*******				
C567	1-137-163	-11 FILM	0. 33uF	10%	6 63V									
C570	1-124-920	-11 ELECT	330uF	20%	6 63V (FA5E	S)				< CONNECTOR >				
		< CONNE	CTOR >			+	CN316	1-564-	-506-11	PLUG, CONNECTO	OR 3P			
* CN551	1~564~506	-11 PLUG, C	CONNECTOR 3	Р						< DIODE >				
+ CN552	1-564-506	11 PLUG, C	ONNECTOR 3	P										
CN553	1 766 897	11 PIN, CO	NNECTOR (P	C BOARD)	4P	ĺ				LED SEL2810A	-			
		< DIODE				**	iskiskiskiskiskis	******	*****	***********	******	*****	*****	***
		(DIODE				*		1-655	-090-11	OUT LET BOARD				
D555	8-719-987-	-63 DIODE	1N4148M							********				
D556	8-719-985-		HZS4ALL											
D557	8 719 310	60 LED	SEL15100-	G				1-533-	-185-11	HOLDER, FUSE				
D561	8-719-987-	-63 DIODE	1N4148M											
D562	8 719 985	53 DIODE	HZS4ALL							< CAPACITOR >				
D564	8-719-987	-63 DIODE	184148M			Â	C802	1-161	-742-00	CERAVIC	0. 00:	22uF	20%	40
D565	8-719-987	-63 DIODE	1N4148M							< CONNECTOR >				
		< TRANS	SISTOR >											
Q564	8-729-201	-53 TRANSIS	STOR 2SA1	D15-GR		*				PIN, CONNECTOR PIN, CONNECTOR				
							mark, ∆ ar	⚠ or do e critic ce only	otted l cal for	tified by ine with mark safety. art number				

specified.

OUT LET PRE PS

PRO

Ref. No.	Part No.	Description		R	emark	Ref. No.	Part No.	Description				Remark
CN1D2	1-580-629-21	PIN, CONNECTO	OR 2P	_				< RESISTOR >				
		< FUSE >				R818	1-259-171-21	CARRON	1. 5K	5%	1/4W	
		(FOLL)				R819	1-249 931 11		2. 2K		1/4W	
4\F802	1-532-299-00	FUSE, TIME-LA	AG (TSA /250V)	(FA7FS)		/\R820	1-219-189-11		100	- 5%		(FASES)
AF802		FUSE, TIME-LA				△R820	1-219-022-11		100	5%		(FA7ES)
autoud .	********				***	/\R821	1-219-189-11		100	5%		(FASES)
						751022	1 210 100 11	, ocianing	100	1,374	27 4011	(I DOLO)
+		PRE PS BOARD				<u> </u>	1-219-022-11	FUSIBLE	100	5%	1/2W F	(FA7ES)
b	1 655 077 21	PRE PS BOARD	(FA7ES)			/\R822	1-219-189-11	FUSIBLE	100	5%	_,	(FASES)
		*******				△ R822	1-219-022-11	FUSIBLE	100	5%	1/2W F	(FA7ES)
						∴R823	1-219-189-11		100	5%		(FASES)
		< CAPACITOR >	>			<u>↑</u> R823	1-219-022-11	FUSIBLE	100	5%	1/2W F	(FA7ES)
C8D1	1-124-922-11	FLECT 100	00uF 20%	63V	(FASES)	R868	1-259-171-21	CARRON	1. 5K	5%	1/4W	
C801	1 110 397 11		00uF 20%		(FA7ES)	R869	1-249-931-11		2. 2K	5%	1/4W	
C802	1-124-922-11)DuF 20%		(FASES)	/\R870	1-219-189-11		100	5%		(FASES)
C802	1-110-397-11		00uF 20%		(FA7ES)	∴ AR870	1-219-022-11		100	5%		(FA7ES)
C808	1-126-066-11				(FASES)	⚠R871	1-219-189-11		100	5%		(FASES)
					(111011)	1,1012	1 210 100 11		200	9.4	27 2011 1	(E ITOLICI)
C808	1 110 397 11		10uF 20%		(FA7ES)	<u></u>	1-219-022-11		100	5%	1/2W F	(FA7ES)
C809	1-110-393-11			63V		<u></u>	1-219-189-11	FUSIBLE	100	5%	1/2W F	(FASES)
C851	1-124-922-11		10uf 20%	63V	(FASES)	 <u> </u>	1-219-022-11	FUSIBLE	100	5%	1/2W F	(FA7ES)
C851	1-110-397-11	ELECT 100	00uF 20%	63V	(FA7ES)	 ⚠R87 3	1-219-189-11	FUSIBLE	100	5%	1/2W F	(FASES)
C852	1~124~922-11	ELECT 100	10uF 20%	63V	(FA5ES)	<u>√</u> R873	1-219-022-11	FUSIBLE	100	5%	1/2W F	(FA7ES)
C852	1-110-397-11	FLECT 100	OuF 20%	ARV	(FA7ES)			< TRANSFORME	3 >			
C858	1-126-066-11				(FASES)	3		/ Timing Onaici	. /			
C858	1-110-397-11		Ouf 20%		(FA7ES)	T801	1-427-648-11	TRANSFORMER	CHOKE	1		
C859	1-110-393-11			63V		1	********		,		******	*****
		. government .										
		<pre>< connector ></pre>				*		PRO BOARD, CO				
CYORA	1 001 700 11	DINC Micho e	anneaman) en			*	A~4378-516-A	PRO BOARD, CO			ES)	
	1 · 691 · 768 · 11 1 · 564 · 510 · 11							*******	*****	*		
	1-564-506-11							/ CADACITOD Y				
	1-564-506-11							< CAPACITOR :	>			
OHDIN	1 304 300 11	TEDU, CONNECT	ion of (threa)			0603	1-136-157-00	FILM	n.	022uF	5%	50V
		< DIODE >				C604	1-124-120-11			OuF	20%	25V
						C605	1-124-910-11		47		20%	50V
D801	8-719-000-93	DIODE UZL-7	7H1			C607	1-136-157-00			022uF	5%	50V
D802	8-719-000-93					C608	1-126-058-11			7uF	20%	63V
D851	8-719-000-93					4440	1 100 000 11	20001	1.		204	001
D852	8-719-000-93	DIODE UZL-7	7711			C609	1-124-918-11	ELECT	47	uF	20%	63V
						C610	1-126-058-11			7uF	20%	63V
		< TRANSISTOR	>			C611	1-136-157-00			022uF	5%	50V
						C612	1-126-059-11	ELECT	10		20%	63V
Q806	8-729-030-18	TRANSISTOR	2SD2525			C620	1-130-973-00			022uF	2%	100V
Q807	8-729-281-54		2SC1815-BL									
Q808	8-729-202-67	TRANSISTOR	2SK246-GR3			C670	1-130-973-00	FILM	0.	022uF	2%	100V
0809	8-729-030-18		2SD2525									
0810	8-729-030-18		2SD2525					< CONNECTOR >	>			
MOLE	0 790 000 10	THE A RICH COLONIA	9001040			GH004	1 700 000 44	DIN GOUNDARY	n ene	DAIRA	\ 40°	
Q856	8-729-030-19		2SB1640				1-766-897-11					
Q857	8-729-201-53		2SA1015-GR				1-691-766-11				۲	
Q858	8-729-202-67		2SK246-GR3				1-564-506-11					
Q859	8-729-030-19		2SB1640				1-564-506-11					
Q860	8-729-030-19	TRANSISTOR	2SB1640			CN605	1-564-505-11	PLUG, CONNECT	TUR 2P			
						The co	mponents ident	ified by				
							or dotted li					
						A are	critical for	cafety				

 $\underline{\mathbb{A}}$ are critical for safety. Replace only with part number

specified.

PRO PRO LED PS

Ref. No.	Part No.	Description				Remark
* CN607 * CN608 CN609	1-564-506-11 1-564-506-11 1-691-766-21	PLUG, CONNECT PLUG, CONNECT PLUG, CONNECT PLUG (MICRO C PIN, CONNECTC	FOR 3P FOR 3P CONNECT			
		< DIODE >				
D602	8-719-310-60	DIODE 1N414 LED SEL15 DIODE 1N414	510C-C			
IC601	8-759-111-68	< IC > IC uPC1237F	ÍA.			
		< COIT >				
L601 L651	1-422-009-21 1-422-009-21	COIL, AIR-COF	RE RE			
		< TRANSISTOR	>			
Q602 Q603	8-729-030-18 8-729-201-53	TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR TRANSISTOR	2SD252 2SA101	25 15-GR		
Q606	8-729-030-18	TRANSISTOR	2SD252	25		
		< RESISTOR >				
R604	1-259-223-21	CARBON	220K	5%	1/4W	
R606	1-259-191-21	CARBON	10K		1/4W	
R607	1-249-885-11	CARBON	27	5%	1/4W	
R608	1-249-725-11	CARBON	150K	5%	1/4W	
R609	1-249-951-11	CARBON	15K	5%	1/4W	
R610	1-260-322-11	CARBON	330	5%	1/2W	
R612	1-249-939-11	CARBON	4.7K	5%	1/4₩	
R613	1-259-191-21	CARBON	10K	5%	1/4W	
R614	1-259-207-21	CARBON	47K	5%	1/4W	
R615	1-249-955-11		22K	5%	1/4W	
R616	1-259-207-21	CARBON	47K	5%	1/4W	
R617	1-249-955-11	CARBON	22K	5%	1/4W	
R620	1-249-733-11	CARBON	330K	5%	1/4W	
R621	1-249-754-11	CARBON	10	5%	1/2W	
R622	1-249-798-11		680	5%	1/2W	
△R624	1-217-989-11	FUSIBLE	4. 7	5%	1/2W	F (FASES)
△ R624	1-260-072-11	FUSIBLE	4.7	5%	1/2W	F (FA7ES)
<u>∧</u> R625	1-217-989-11	FUSIBLE	4.7	5%	1/2W	F (FASES)
△R625	1-260-072-11	FUSIBLE	4.7	5%	1/2W	F (FA7ES)
R626	1-259-167-21	CARBON	1K	5%	1/4₩	
R628	1-260-322-11	CARBON	330	5%	1/2W	

Re	f. No.	Part No.	Descriptio	n —			Remark
	R629	1-260-322-11	CARBON	330	5%	1/2W	
	R670	1-249-733-11	CARBON	330K	5%	1/4W	
	R671	1-249-754-11	CARBON	10	5%	1/2W	
	R672	1-249-798-11	CARBON	680	5%	1/2W	
Δ	R674	1-217-989-11	FUSIBLE	4.7	5%	1/2W	F (FASES)
1	R674	1-260-072-11	FUSIBLE	4.7	5%	1/2W	F (FA7ES)
1	R675	1-217-989-11	FUSIBLE	4.7	5%	1/2W	F (FASES)
1	R675	1-260-072-11	FUSIBLE	4.7	5%	1/2W	F (FA7ES)
	R677	1-249-794-11	CARBON	470	5%	1/2W	
	R678	1-249-794-11	CARBON	470	5%	1/2W	
			< RELAY >				
	RY601	1-755-061-11	RELAY				
	RY602	1-515-676-11	RELAY				
		*******		******	*****	****	****
*		1-655-085-11	PRO LED BO	ARD			
			******	***			
			< CONNECTO	R >			
*	CN806	1-564-506-11	PLUG, CONN	ECTOR 3P			
			< DIODE >				
	D801	8-719-313-40	LED SEL1	516W (PO	WER)		
			< RESISTOR	>			
	R801	1-249-407-11	CARBON	15	0 5%	1/	4W
**	****	********	********	******	*****	****	*****
*		1-655-078-11	PS BOARD (FASES)			
+		1-655-078-21	PS BOARD (FA7ES)			

*		3-555-872-21	SPACER				
			< TERMINAL	>			
4	BP701	1-535-117-00	TERMINAL				
	BP702	1-535-117-00					
		1-535-115-00					
		1-535-115-00					
			< CAPACITO	R >			
	C703	1-124-920-11	ELECT	330uF	20	1% 6	3V
	C704	1-124-920-11		330uF	20		3V
	C705	1-124-791-11		1. OuF	20		00V
	C706	1-124-920-11		330uF	20		3V
	C707	1-136-880-11		2. 2uF	10		60V
	C708	1-124-920-11	ELECT	330uF	20	1% 6	3V (FA7ES)
	2100	. 157 JEU II	PD001	coour	20		er (LIMED)

The components identified by mark ⚠ or dotted line with mark. ⚠ are critical for safety.
Replace only with part number specified.

		PS PS JUI	MPER	REC	OUT	SP-TM	TONE.	CC	NTROL
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description		Rem	ark
		< CONNECTOR >				< TERMINAL >			
+ CN701	1-564-241-11	PIN, CONNECTOR (B4P-VH) 4P		TM801	1-537-930-1	II TERMINAL BOARD	(SP) 4P (FA5I	ES)	
		PLUG (MICRO CONNECTOR) 4P				I1 TERMINAL BOARD			
		PLUG (MICRO CONNECTOR) 6P				11 TERMINAL BOARD			
* CN706	1-564-506-11	PLUG, CONNECTOR 3P				11 TERMINAL BOARD		ES) ******	****
		< DIODE >							
D701	8-719-210-25	DIODE C25P2OF		*	A-4371-831-	A TONE, CONTROL B			
D701	8-719-210-25		-				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
D703	8-719-210-26	DIODE C25P20FR		141	1-535-730-2	21 LEAD, JUMPER (OFC)		
D704	8-719-210-26	DIODE C25P2OFR							
D705	8-719-200-82	DIODE 11ES2				< CAPACITOR >			
D706	8-719-200-82	DIODE 11ES2		C301	1-130-475-0	O MYLAR	0.0022uF	5%	50V
D707	8-719-200-82	DIODE 11ES2		C302	1-130-483-0	O MYLAR	0.01uF	5%	507
D708	8-719-200-82	DIODE 11ES2		C303	1-130-485-0		0.015uF	5%	50V
D709	8-719-200-82			C304	1-136-165-0		0. 1uF	5%	50V
D710	8-719-200-82	DIODE 11ES2		C306	1-136-165-0	O FILM	0. 1uF	5%	50V
D711	8-719-200-82	DIODE 11ES2		C307	1-136-165-0	O FILM	0. 1uF	5%	50V
				C351	1-130-475-0		0. 0022uF	5%	50V
		< PLATE GROUND >		C352	1-130-483-0	0 MYLAR	0.01uF	5%	50V
				C353	1-130-485-0	00 MYLAR	0.015uF	5%	50V
		PLATE, GROUND, 5P		C354	1-136-165-0	O FILM	0. 1uF	5%	50V
		PLATE, GROUND		0005	1 100 040 0	0. 10/1.40	4000PF	COL	95017
		PLATE, GROUND PLATE, GROUND		C805 C806	1-106-343-0 1-106-343-0		1000PF 1000PF	5% 5%	200V 200V
	3-346-266-21			C901	1-126-376-1		470uF	20%	25V
. 11100	0 0 0 10 200 21	TESTE, UNIONE		C902	1-164-159-1		0. 1uf	LUM	50V
		< RESISTOR >		C903	1-126-023-1		100uF	20%	16V
∕AR701	1-219-165-11	FUSIBLE 1 5% 1/2	2₩ F	C904	1-162-207-3	1 CERAMIC	22PF	5%	50V
		********		C905	1-162-207-3		22PF	5%	50V
				C906	1-162-282-3	1 CERAMIC		10%	50V
*	1-655-076-11	PS JUMPER BOARD (FASES)		C907	1-164-159-1		0. 1uF		50V
*	1-655-D76-21	PS JUMPER BOARD (FA7ES)		C908	1-164-159-1	1 CERAMIC	0. 1uF		50V
		*******		C909	1-136-165-0	O FILM	0. 1uF	5%	50V
******	******	·乔水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水水	******			< CONNECTOR >			
+	1-655-082-11	REC OUT BOARD							
		******				1 PLUG, CONNECTOR			
		< CONNECTOR >				1 PLUG (MICRO COM			
		< CONNECTOR >				1 PLUG (MICRO CON 1 PLUG, CONNECTOR			
* CN315	1-564-506-11	PLUG, CONNECTOR 3P				1 PLUG, CONNECTOR			
		< SWITCH >		* CN314	1-564-506-1	1 PLUG, CONNECTOR	R 3P		
				CN352	1-691-766-3	1 PLUG (MICRO CO	NNECTOR) 4P		
S302	1-762-186-11	SWITCH, TOGGLE (REC OUT)				1 PLUG, CONNECTOR			
*****	******	**************	*****			O PIN, CONNECTOR			
*	1-655-072-11	SP-TM BOARD (FA5ES)		CNSOZ	1-504-505-1	1 PLUG, CONNECTO	n ZF		
+		SP-TM BOARD (FA7ES)		CN903	1-691-772-1	1 PLUG (MICRO CO)	NNECTOR) 10P		
		******				1 PLUG, CONNECTOR			
						1 PLUG, CONNECTOR			
					mponents ide				
						line with mark.			
					critical fo	•			
				Keplac specif	e only with ied.	part number			
				SPECII	I to the				

TONE. CONTROL

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D 4 11												
Ref. No.	Part No.	Description	-		Remark	Ref. No.	Part No.	Description			Rei	mark
CN907	1-691-770-11	PLUG (MICRO	CONNECTOR	.) 8P		R356	1-247-721-11		4.7K	5%	1/4₩	
		4 BIODE 1				R824	1-247-747-11	CARBON	470	5%	1/2W	
		< DIODE >				R825	1-247-747-11	CARRON	470	5%	1/2W	
0901	8-719-200-02	DIODE 10E	2			R901	1 249 433-11		22K	5%	1/4W	
D902	8-719-200-02					R902	1-249-433-11		22K	5%	1/4W	
D903	8-719-200-02					R903	1-249-433-11		22K	5%	1/4W	
D904	8-719-200-02	DIODE 10E	2			R904	1-249-433-11	CARBON	22K	5%	1/4W	
D905	8-719-987-63	DIODE 1N4	148M									
2700		52100 11111	-052L			R905	1-249-433-11		22K	5%	1/4W	
D906	8-719-987-63		148M			R906	1-249-433-11		22K	5%	1/4W	
D907	8-719-987-63		148M			R907	1-249-425-11		4. 7K		1/4W	
D908 D909	8-719-987-63 8-719-987-63		148M 148M			R908 R909	1-249-425-11 1-249-425-11		4. 7K 4. 7K		1/4W 1/4W	
D910	8-719-987-63		148M			nsus	1-243-423-11	CARDON	4. IR	JA	1/48	
D310	0 713 307 03	DIODE IN	1400			R910	1-249-429-11	CARBON	10K	5%	1/4W	
D911	8-719-987-63	DIODE 1N4	148M			R911	1-249-429-11		10K	5%	1/4W	
D912	8-719-987-63		148M			R913	1-249-433-11		22K	5%	1/4W	
D913	8-719-200-02	DIODE 10E	2			R914	1-249-433-11	CARBON	22K	5%	1/4W	
						R915	1-249-429-11	CARBON	10K	5%	1/4W	
		< IC >							400		- 4840	
10004	0 550 005 40	7.0 min 10.0	OCCUPATIONS			R916	1-247-807-31		100	5%	1/4W	
	8-759-325-18		200BN-H327			R917	1 247 807 31		100	5%	1/4W	
10902	8-759-635-63 8-759-188-67					R918 R919	1-247-807-31 1-247-807-31		100 100	5% 5%	1/4W 1/4W	
IC903	8-759-168-67					R920	1-247-807-31		100	5%	1/4W	
	8-759-231-53					11320	1 247 007 31	CARDON	100	370	1/-11	
10000	0 703 201 00	10 1111000	9			R921	1-247-807-31	CARBON	100	5%	1/4W	
		< TRANSISTO	R >			R922	1-247-807-31		100	5%	1/4W	
						R923	1-249-425-11	CARBON	4.7K	5%	1/4W	
Q301	8-729-281-54	TRANSISTOR	2SC1815-	BL		R924	1-249-413-11	CARBON	470	5%	1/4W	
Q901	B-729-90D-63		DTA124ES			<u> </u>	1-217-981-11	FUSIBLE	2.2	5%	1/2W	F
Q902	8-729-900-63		DTA124ES						10000			
Q903	8-729-900-63		DTA124ES					< VARIABLE RES	ISTOR >			
Q9D4	8-729-900-63	THANSISTON	DTA124ES			DV301	1_993_780_11	RES. VAR. CARE	กม วรกม	/250K	/BALAN	CE)
Q905	8-729-900-63	TRANSISTOR	DTA124ES					RES, VAR, CARE				
Q906	8-729-900-63		DTA124ES					RES, VAR, CARE				
Q907	8-729-900-63		DTA124ES				7,775,171, 47			,	,/	
Q908	8-729-900-63	TRANSISTOR	DTA124ES					< SWITCH >				
		< RESISTOR	>			S301		SWITCH, PUSH (j)	
D004	1 047 704 44	GADDON	4 00	Ee.	4 7400	S801		SWITCH, ROTARY			orron)	
R301	1-247-721-11		4. 7K		1/4W	S901	1-752-183-11	SWITCH, ROTARY	(INPUI	SELEC	(10K)	
R302 R303	1-249-556-11 1-259-502-11		1. 5K 4. 7M	5% 5%	1/4W 1/4W			< VIBRATOR >				
R304	1-259-502-11		4. 7M	5%	1/4W			< Alphyllor >				
	1-249-462-11		22K	5%	1/4W	X901	1-579-223-11	OSCILLATOR, CE	RAMIC (8. 19MH	dz)	
					-,	****		******				****
R306	1-247-721-11	CARBON	4.7K	5%	1/4W							
R307	1-249-425-11	CARBON	4. 7K	5%	1/4W	*	1-655-087-11	VOL BOARD				
R311	1-249-425-11	CARBON	4. 7K	5%	1/4W			******				
R351	1-247-721-11		4. 7K		1/4W							
R352	1-249-556-11	CARBON	1. 5K	5%	1/4W			< CAPACITOR >				
paga	1_250_502_11	CADDON	4 70	600	1 //19	0200	1_126_166_00	FIIM	0.10		EW	EUA
R353 R354	1-259-502-11 1-259-502-11		4. 7M 4. 7M	5%	1/4W 1/4W	C308 C309	1-136-165-00 1-136-165-00		0. 1uF 0. 1uF		5% 5%	50V 50V
R355	1-249-462-11		22K	5%	1/4W	C310	1-136-165-00		0. 1uF		5%	50V
11000	7 2.0 100 11	or market	2211	- 70	-,	, 5510	2 220 200 00				- 0	- 70. 7
						TP3						

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Replace only with part number specified.

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark
		< CONNECTOR	· >	Secretario de la companya del companya de la companya del companya de la companya	Q515	8-729-018-19	TRANSISTOR	 2SK2013-Y	
					Q516	8-729-018-21	TRANSISTOR	2SJ313-Y	
CN305	1-691-766-41	PLUG (MICRO	CONNECTOR) 4P		Q518	8-729-018-11	TRANSISTOR	2SK1530A-Y (FA7ES)	
CN306	1-691-770-11	PLUG (MICRO	CONNECTOR) 8P		Q518			2SK1530B-Y (FA5ES)	
CN308	1-691-766-21	PLUG (MICRO	CONNECTOR) 4P						
	1-691-766-11				Q520	8-729-018-13	TRANSISTOR	2SJ201A-Y (FA7ES)	
	1-691-766-31				Q520			2SJ201B-Y (FA5ES)	
011000	1 031 700 31	TEGG (MICHO)	COMPLOTORY 41						
		CDIODE >			Q563	8-729-203-45			
		C DIODE >			Q565	8-729-018-19			
0004	0 710 007 00	DIODE ANA	4014		Q566	8-729-018-21	TRANSISTOR	ZSJ313-Y	
D304	8-719-987-63	DIODE IN414	48M						
					Q568			2SK1530A-Y (FA7ES)	
		< TRANSISTOR	>		Q568	8-729-030-14	TRANSISTOR	2SK1530B-Y (FA5ES)	
					Q570	8-729-018-13	TRANSISTOR	2SJ201A-Y (FA7ES)	
Q302	8-729-184-53	TRANSISTOR	2SC1845-EA		Q570	8-729-030-15	TRANSISTOR	2SJ201B-Y (FA5ES)	
					S001			ARY SLIDE (REC OUT S	SELECTOR)
		< RESISTOR >			3552	1 ,00 100 11	Owner, non	ant build like out	ALLEO I VILY
		, morbion /			∆T1	1-429-111-11	TRANSFORMED	POWER (FASES)	
R309	1-249-469-11	CARRON	100K 5%	1/4W	AT1			POWER (FA7ES)	
	1-249-677-11		1. 5K 5%		4711	1-469-116-11	I MAINOR UNMER,	FUNER (FA/ES)	
				1/2W					
	1-249-677-11		1.5K 5%	1/2W	******	******	*******	******	******
	1-247-725-11		10K 5%	1/4W					
R315	1-249-465-11	CARBON	47K 5%	1/4W		ACCESSORIES	8 & PACKING N	MATERIALS	
						********	*******	*****	
R359	1-249-469-11	CARBON	100K 5%	1/4W					
						1-465-801-11	REMOTE COMMA	ANDER (RM-S703)	
		< VARIABLE RE	ESISTOR >			3-707-584-21	LID. BATTERY	(for RM-S703)	
						3-800-210-11			
RV304	1-223-765-11	RES. VAR. CAR	RBON 120K/120K			7 177 777		SH, FRENCH, SPANISH, PO	RTUCHESEY
		,	the state of the s	NUATOR) (FASES)		3-800-210-21			HITOGOLDL)
RV304	1-993-765-91	DES VAR CAR	RBON 120K/120K	tonion, (Luana)		3 000 210 21			TTAT TANA
11750-1	1 220 700 21	rico, trais, van		NUATOR) (FA7ES)			. (0	GERMAN, DUTCH, SWEDISI	L IIALIAN)
			,,,,,,,	, , , , , , , , , , , , , , , , , , , ,	*	4-970-079-01	CUSHION		
		< RELAY >			*			CARTON (FASES)	
		V INDENT >			*			***************************************	
DV201	1-755-062-11	DELAV			7	4-9//-436-01	INDIVIDUAL C	CARTON (FA7ES)	
H1901	1-755-002-11	NELA1			*****	******	******	. * * * * * * * * * * * * * * * * * * *	
		< SWITCH >			***************************************			***************************************	*******
						*****	******	*****	
S303	1-762-190-11	SWITCH, PUSH	(1 KEY) (SURCE	DIRECT)		HAR	DWARE	LIST	
*****	******	********	**********	*******		*****	******	*****	
		MISCELLANEOUS	1		#1	7-682-148-15	CCDEW TD		
					#1				
		*****			#2	7-682-246-09			
					#3	7-682-548-09	SCREW (3X8)		
	1-535-691-21				#4	7-682-564-09	SCREW +B 4X1	4	
160	1-535-691-31	TERMINAL (FA7	ES)		#5	7-682-565-09	SCREW +B 4X1	6 (FA5ES)	
161	1-506-113-00	SHORT PLUG							
C701	1-104-902-11	CAP, ELECT 15	000uF (FA7ES)		#5	7-682-566-09	SCREW +B 4X2	0 (FA7ES)	
	1-107-845-12		Control of the contro		#6	7-684-024-04		- (************************************	
			(Livery)		110				
C702	1-104-902-11	CAP. ELECT 15	000uF (FA7ES)						
	1-107-845-12								
	1-575-953-11		coodi (inded)						
			C /TEA /050th /F	ATECL					
			G (T5A/250V) (F						
<u>1</u> F802	1-032-350-00	ruse, IIME-LA	G (T4A/250V) (F	ADES)					

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Q513 8-729-203-45 TRANSISTOR 2SC3423-0